

# GRAIN & FEED JOURNALS

## CONSOLIDATED

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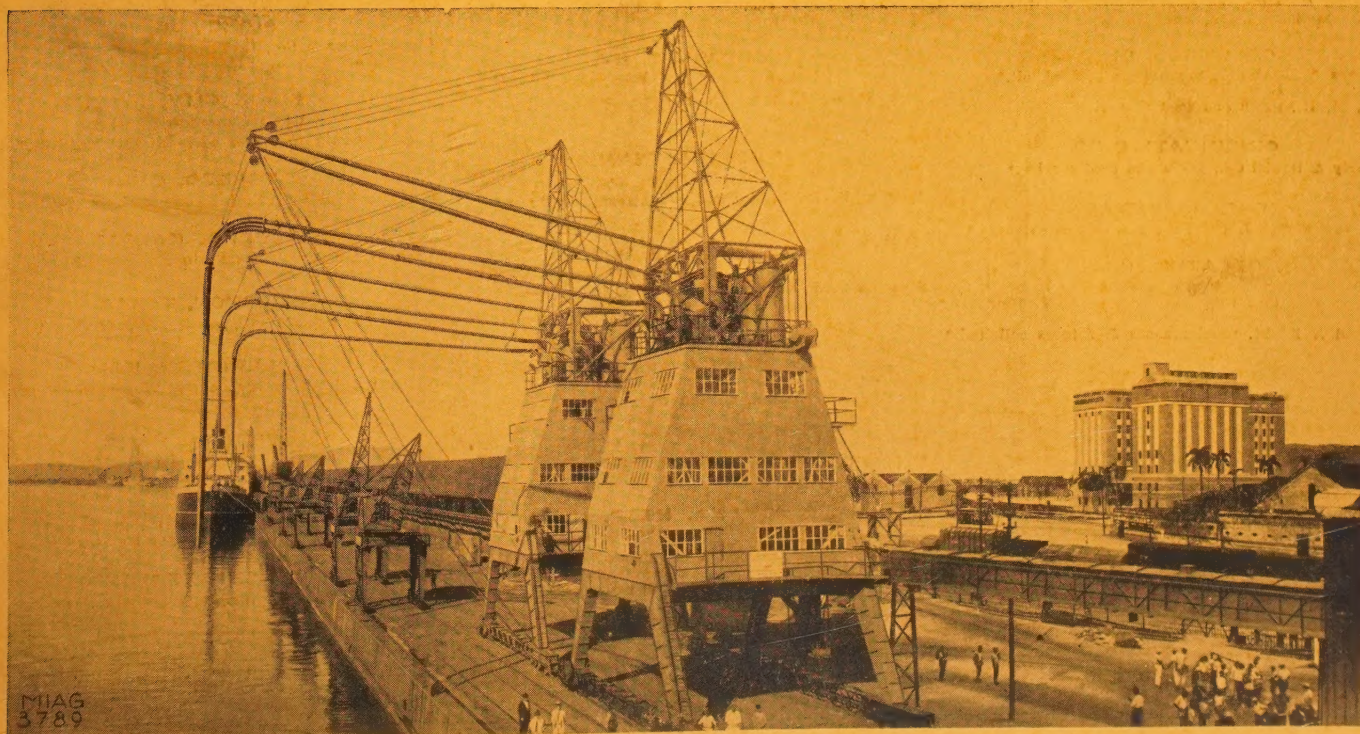
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*A Merger of Grain Dealers Journal, American Elevator & Grain Trade, Grain World and Price Current-Grain Reporter.*

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Pneumatic Conveying Plant of the Compagnie Docas de Santos, Santos, Brazil, for Ship Discharging



# Directory of the Grain Trade

In Organized Markets Only Members of the Local Grain Exchange Will Be Listed

*HAVING YOUR name in this directory will introduce you to many old and new firms during the year, whom you do not know or could not meet in any other way. Many new concerns are looking for connections, seeking an outlet or an inlet, possibly in your territory. It is certain that they turn to this recognized Directory, and act upon the suggestions it gives them. The cost is only \$10 per year.*

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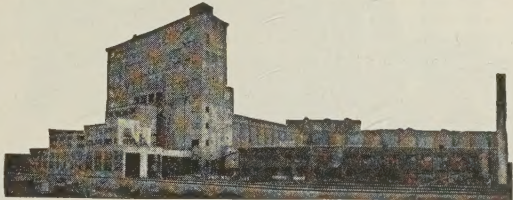
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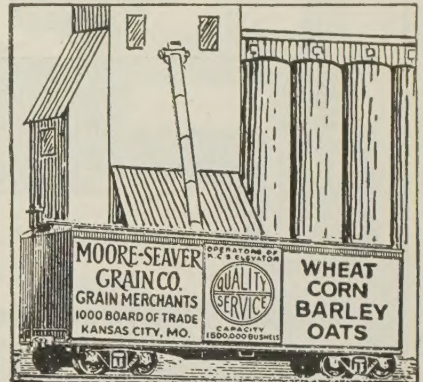
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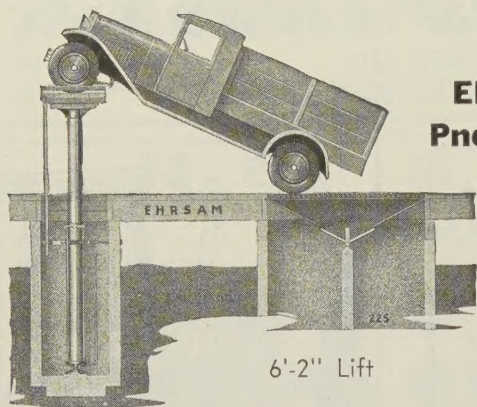
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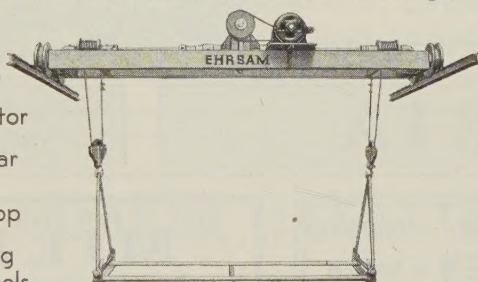
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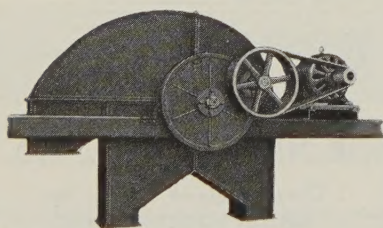
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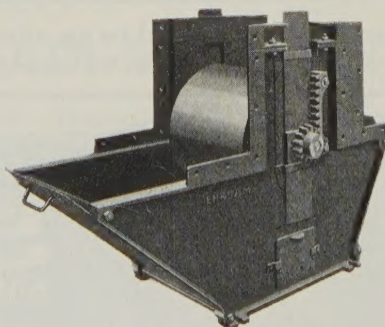
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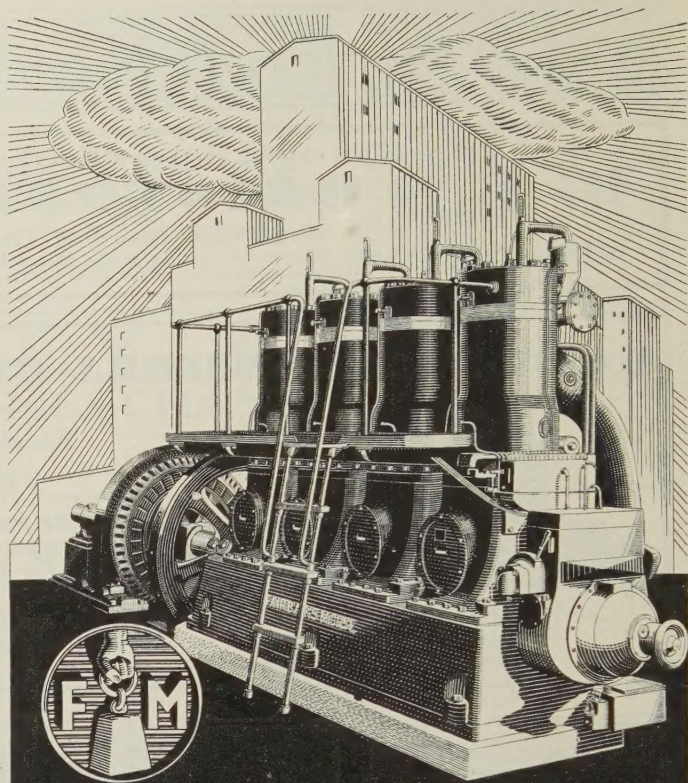


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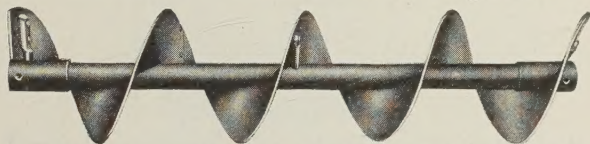


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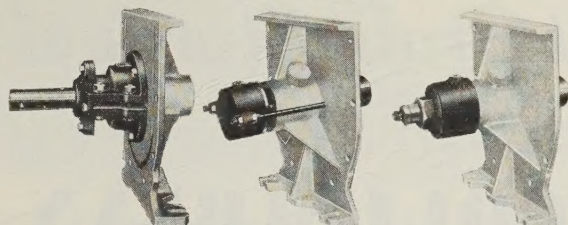
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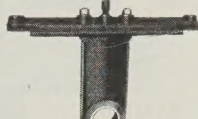
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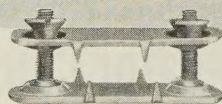
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SCREW CONVEYORS CALUMET PRODUCTS ELEVATOR BUCKETS

## for Joining and Repairing CONVEYOR BELTS

**FLEXCO HD**

### BELT FASTENERS



U. S. Pat.  
1,382,799

### RIP PLATES



FLEXCO HD BELT FASTENERS make a tight butt joint of great strength and long life. Recessed plates embed in belt, compress belt ends and prevent ply separation. Five sizes in steel and alloys.

FLEXCO HD RIP PLATES are used in repairing rips and patching conveyor belts. The added width gives a desirable long grip on the edges of the rip. Consultation on belt joining and repair invited. Sold through jobbers and belting houses the world over.

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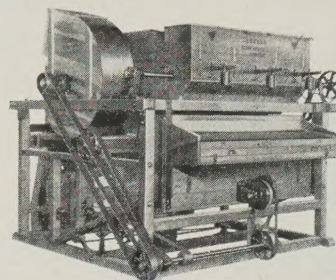
Sole Manufacturers



### AT COULEE DAM

On the high speed 60 in. conveyors, handling up to 2,500 yards of rock and earth per hour, FLEXCO HD FASTENERS are used and FLEXCO HD RIP PLATES were developed. They have been the means of returning thousands of feet of ripped and punctured belting to satisfactory service.

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Separators

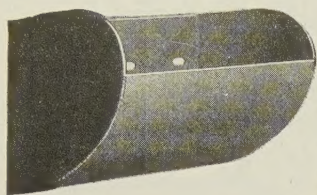
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Eccentricless cleaning yields greater returns: more than 3,000 users say eccentricless separations are finer—truer—less wasteful; capacity increases 15 to 25% . . . power and labor is less . . . upkeep nothing . . . their better cleaned lots always bring higher prices.

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with  
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Pat. U. S. & Foreign Countries

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Get ready to handle the new crop economically and speedily. The capacity of your legs can be materially increased by installing CALUMET CUPS on your present belt. Very few, if any other changes, are necessary. Advise what equipment you have (width of belt, size of pulleys, power, etc.) and what capacity you want, and we will tell you just how CALUMET CUPS are the solution to your problem. No obligation.

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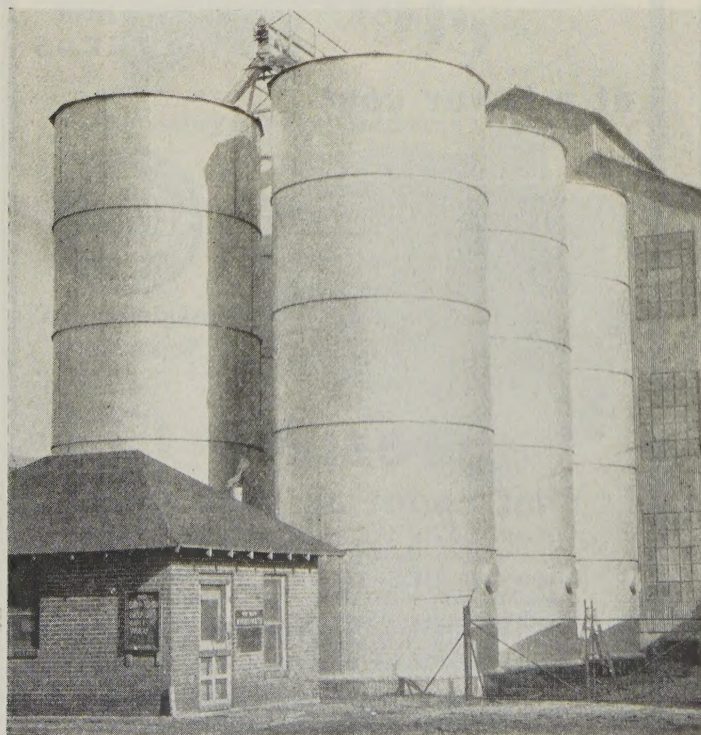
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Here's the practical, low-cost, permanent grain storage that meets all your requirements 100%! Literally hundreds of these Columbian Bolted Steel Tanks, in single units and in batteries of a half dozen or more, are in service throughout the grain areas of the United States and Mexico.



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*Write us, phone or wire for all details, prices, etc.*

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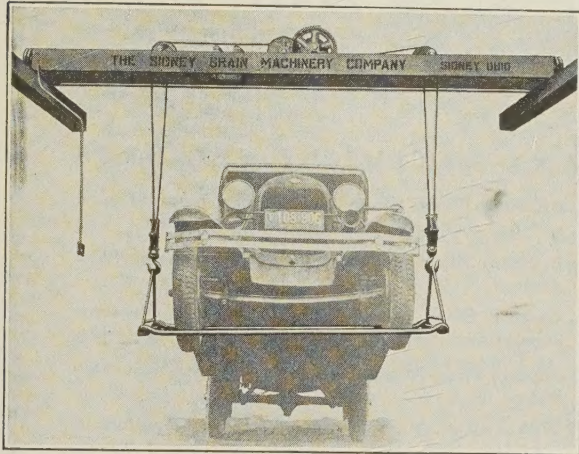
Kansas City, Missouri, U. S. A.



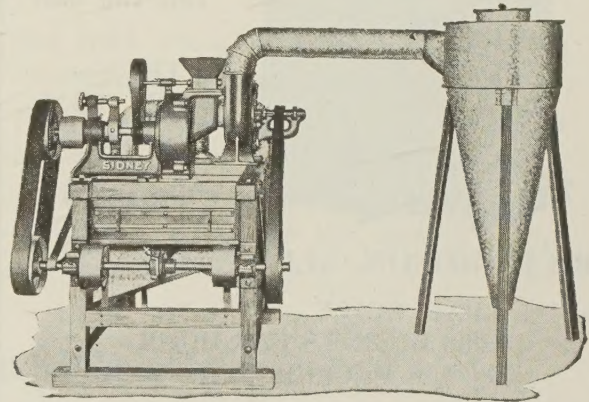
# SIDNEY

## Grain Elevator Equipment

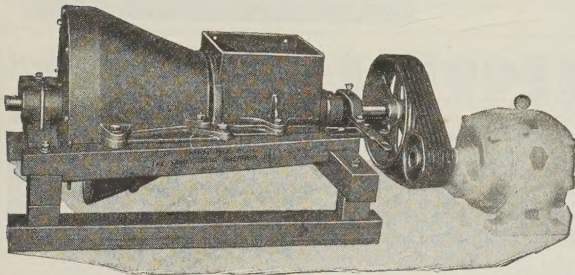
has for over fifty years given complete satisfaction in hundreds of grain elevators, and the SIDNEY LINE of Feed Mill Equipment, though newer enjoys an equal reputation. There is a reason for SIDNEY preference.



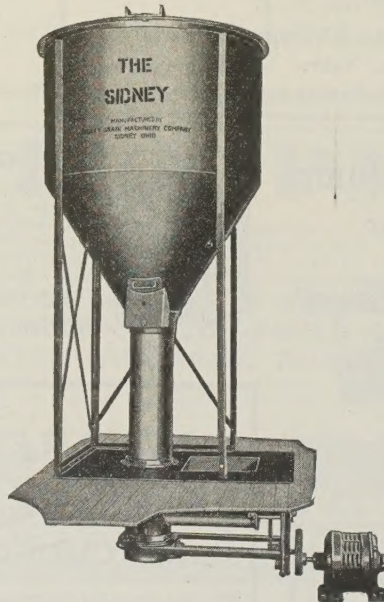
Sidney Improved Electric Dump



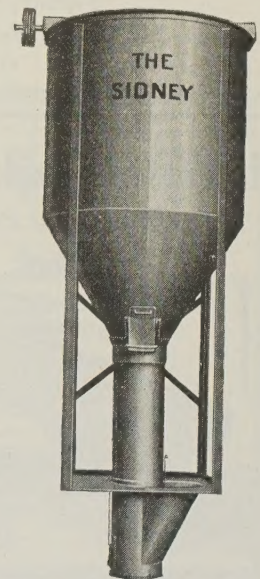
Sidney Corn Cracker & Grader



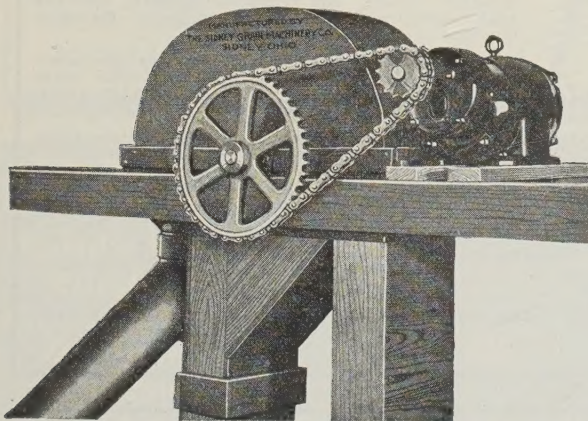
Sidney Roller-Bearing Sheller with V-Drive



Sidney Kwik-Mix Mixer

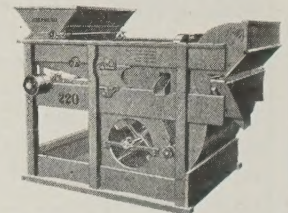


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We maintain a staff of engineers experienced in grain elevator and feed mill operation and maintenance. They are at your service without obligation. Send for the SIDNEY catalog describing this complete line of better grain elevator and feed mill equipment.



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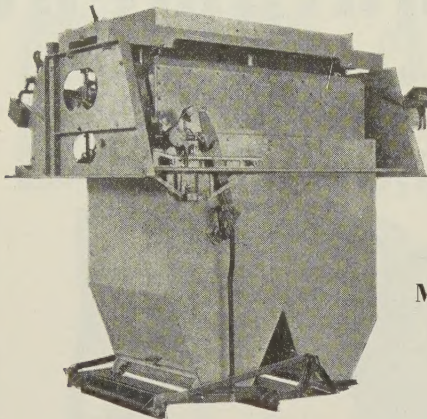
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the time —  
Double the  
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**THUS—  
MORE THAN  
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**RICHARDSON ALL-AUTOMATIC****25-BUS. GRAIN SCALE****4,000 BUSHELS PER HOUR****ACCURATELY WEIGHED****Richardson Scale Company****Factory: Clifton, N. J.****37 W. Van Buren St., Chicago, Illinois****Minneapolis, Minn. Omaha, Nebr. Wichita, Kansas****580 Market St., San Francisco, Calif.**

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YOU CAN CONFIDENTLY  
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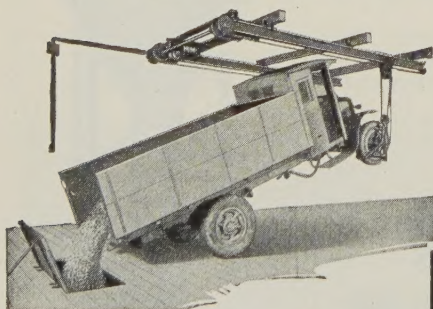
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*For Electrical Power*



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by selling Midwest Grain Bins to your customers for farm storage, or to solve your own surplus storage problems, suitable for erecting on spurs, and a size for every purpose. Liberty Blowers fill cars, and bins to capacity without inside scooping. Capacity approximately 900 bu. per hour. Turns grain for cooling. Many in use by grain buyers everywhere. Write for literature.

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Grinder—for  
Capacity  
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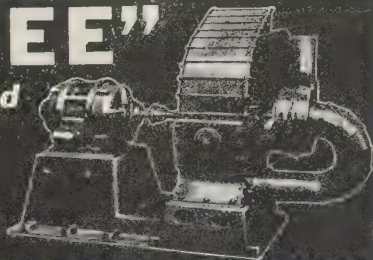
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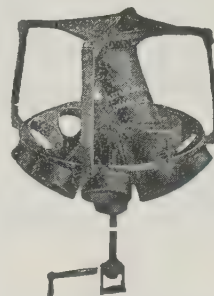
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Write for detailed description, prices, terms, etc.

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Simple construction;  
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Lasts a life time. No  
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**Z E L E N Y****Thermometer System***Protects Your Grain*

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Capacity  
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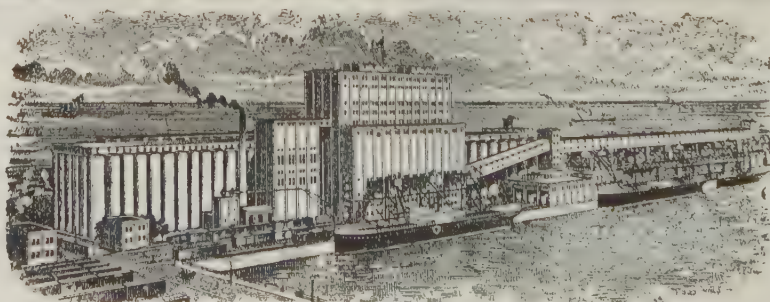
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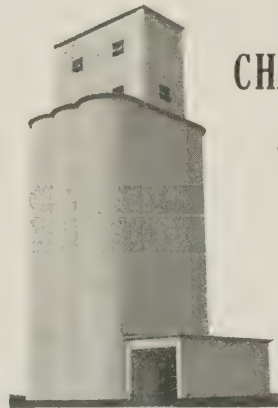
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The rate for advertisements in this department is 25 cents per type line each insertion

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Located on C., M. St. P. & P. R.R. in rich agricultural County in Illinois. The only business at station, so possibilities of lines of trade without limit. Large grain shipping station.

New modern frame grain elevator 24x30x40 ft. to eaves with 12" concrete walls, concrete floors, man lift, dump scales, driveway leanto over scales and office. Fairbanks automatic grain scale. Machinery alone cost over \$2500. Adjoining engine house with Sandwich 8 HP. engine. A frame corn crib—8x38—11 to 12 feet high, in good condition. A metal clad 16x20 feed and cement shed with 20x36 frame coal shed attached, cement foundation, floors, and partial concrete walls, all painted, in good condition and appearance. Seven-room, two-story house, modern, costing over \$4,000 to erect, a 54x108 frame lumber shed open, with center driveway. A new store building and office erected in 1934—size 20x24—modern in every way. Scale shed attached.

All buildings fully equipped, in good physical and working condition. Elevator just covered with copper alloy siding, and most buildings just painted. Stock consists of lumber, coal, hardware, twine, salt, seed and feed in season posts, tile. Competition friendly. Replacement value of buildings \$20,950.00. A real bargain—small fraction of replacement. Address 78J14, Grain & Feed Journals, Chicago.

**BARGAIN IF TAKEN AT ONCE**—Some one is always looking for an elevator at a good grain point and reads these ads just like you're doing now, so if you wish to dispose of your present property, enlarge your present interests, or embark in the grain business, USE these columns to your best advantage just as others are doing. WE WILL assist you in the composition of copy free. We are in business to be of service to YOU. There is no wrong time to put an ad in the columns of the Journal. TRY IT.

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**IOWA**—15,000 bu. 9 bin elevator for sale; electric power; good trackage. Ihm Bros., Guttenberg, Iowa.

**OKLAHOMA**—All or half interest in elvtr., grain, feed and coal business for sale; big crop; county seat. W. M. Black, Arapaho, Okla.

**KANSAS**—14,000 bu. elevator; priced to sell; fully equipped; fine shipping point; crop prospects excellent; illness; worth investigating now. Address 78J13, Grain & Feed Journals, Chicago.

**WYOMING**—Fully equipped grain elevator for sale; well located in prosperous county seat town; in large irrigated trading territory. Suitable for grain, hay, coal and feed business. Write Kenneth M. Eaton, Torrington, Wyo.

**SOUTHWESTERN OHIO**—25,000 bu. ironclad grain elevator on own ground and side track; fully equipped with cleaners, sheller, hammer mill, etc. Located Preble county; good roads, school, churches. Handle all grains, feeds, coal, etc. No competition. Priced right for quick sale. Owner wishes to devote his entire time to other interests. R. O. Klepinger, Ingomar, Ohio.

**NEW MEXICO** elevator for sale, 22,000 bu. capacity; good as new; 12 bins; in excellent farming district; have large acreage of wheat, looking fine, with plenty of moisture. Large raw crops milo, kafir, hegari, sudan, cane corn. Have fine business, both wholesale and retail on grain, feeds, seeds, cake, meal, coal. Well located. Plenty of trackage and electric power. Built in 1929. No indebtedness. For information write Farmers Grain, Inc., Melrose, N. M.

## ELEVATORS WANTED

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**WANT TO LEASE** grain elevators in good territory in Ohio, Indiana, or Illinois. Address 78J2, Grain & Feed Journals, Chicago.

**WANTED** To lease, a country grain station in Illinois, by experienced grain man. Reply to 78J7, Grain & Feed Journals, Chicago, Ill.

## BOOK WANTED

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**IF YOU ARE LOOKING** for an unusually good location in the Grain, Livestock and General Store business then investigate, at once, **AULLVILLE, MO.**, one of the best farming communities in the state. Geo. A. Klingenberg, Concordia, Mo.

**IF YOU DO NOT** find the elevator you want advertised, place your wants in the "Elevators Wanted" section and you will receive full particulars regarding many desirable properties not yet advertised.

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Cleveland, Ohio, on NYC R. R., modern concrete house; complete mixing and grinding equipment; a bargain.

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**ILLINOIS**—Feed manufacturing plant, long established; 3-story brick; storage tank in basement for tank car molasses; feed grinding; oat hulling; large corn sheller; stone buhr for table meal, graham flour; new molasses machinery. All in good condition on railroad track in county seat, 5 hard roads, wonderful stock and grain section; located here 33 years; want to retire. J. W. Challacombe, prop. Princeton City Mills, Princeton, Ill.

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**FOR SALE**—150 bbl. flour mill and 40,000 bu. grain elevator in A-1 condition. Business good. Ill health reason for sale. Write Edward H. Keller, Salisbury, Mo.

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**WANTED**—Salesmen to handle best line of farm salt to elevators and stores on commission basis. For particulars, write Box 328, Saginaw, Mich.

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**ILLINI**, Manchou, Dunfield Soy Beans, Reid's, Krug and 90 Day Yellow Seed Corn. Booking Hybrid for 1938. Central Market, Macomb, Ill.

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**SAMPLE ENVELOPES—SPEAR SAFETY**—for mailing samples of grain, feed and seed. Made of heavy kraft paper, strong and durable; size 4½x7 inches. Have limited supply to sell at \$2.35 per hundred, or 500, \$10.00 plus postage. Sample mailed on request. Grain & Feed Journals, 332 S. La Salle St., Chicago, Ill.

**THE WANTED-FOR SALE DEPARTMENT** of GRAIN & FEED JOURNALS is a market place where buyer and seller, employer and employee, and those offering investments can meet to their mutual advantage and profit and it will pay every subscriber to give these columns a close study twice each month, because of the constantly changing variety of opportunities seeking your consideration.

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332 So. La Salle St., Chicago

A merger of Grain Dealers Journal, American Elevator & Grain Trade, Grain World and Price Current-Grain Reporter.

**Gentlemen:**—In order to keep you posted regarding what is going on in the grain and feed trades outside our office, please send us the *Grain & Feed Journals* twice each month. Enclosed find Two Dollars for one year.

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**FOR SALE**—Try me for what you want in good used machines; also new. Mixers, Elevators, Reels, complete mills, etc. T. A. McWilliams, 115 E. St. Catherine St., Louisville, Ky.

**FOR SALE**—Second hand feed and elevator machinery; Tag-Heppenstall Moisture Meters; Bolinder Diesel Engines. Weaver Sales Corp., Corn Exchange, Minneapolis, Minn.

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Pipe, Corrugated Metal Roofing  
Guaranteed Good Condition  
Pipe, cut lengths for fence posts.  
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Attrition Mill 24" Bauer with direct connected 20 HP. motors with starter \$275.00. OIL ENGINE 10 HP. Fairbanks-Morse with clutch pulley \$150.00. FEED MILL Prater No. 5 motor driven, practically new \$225.00. FARM MOTOR 5 HP. Westinghouse portable, complete NEW \$200.00. Large stock REBUILT electric motors, all makes, types and sizes, attractively priced, GUARANTEED, write us on your requirements. ROCKFORD ELECTRIC EQUIPMENT CO., 728 South Wyman Street, Rockford, Illinois.

**MACHINES FOR SALE**

**RICHARDSON** Scale, truck dump, 14' elevator; hammer mill; car loader and mover. P. O. Box 212, Reynolds, Ind.

**HAMMER MILL** with 25-h.p. motor and all attachments. Priced to sell. Write 76D7 Grain & Feed Journals, Chicago, Ill.

**FEED MIXER**—one ton—floor level feed—has motor—good as new. Write 76D8 Grain & Feed Journals, Chicago, Ill.

**FEED MIXER** for sale, has motor, and a late machine. Need space. Will sacrifice. Write 76D5 Grain & Feed Journals, Chicago, Ill.

**FOR SALE**—J. F. Field Buckhorn Machine, used two months, too small capacity for our use. U. J. Cover Seed Company, Mt. Gilead, O.

**FOR SALE**—No. 4 Eureka Wheat Cleaner with brushes; No. 4 Eureka Corn and Cob Cleaner; Dreadnaught corn and cob crusher; ½ ton Burton Feed Mixer, with motor; all excellent condition. J. G. Troester, 710 S. Ohio Av., Sidney, O.

**SELLING ELEVATOR** Equipment—No. 5 Monitor Fan Mill; wagon dump with Fairbanks Scale; 1 Fairbanks Hopper Scale; 1 gas & 1 steam engine; 400 ft. 77 chain; shafting, pulleys. Wanted—Buildings to Wreck  
Martin & Pugsley Wrecking Co., Wykoff, Minn.

**SCALES FOR SALE**

**SCALES**—New and rebuilt, every purpose, bought, sold, exchanged, repaired. Factory trained mechanics. Acme Scale Exchange, 1718 Walnut St., Kansas City, Mo.

**MOTOR TRUCK SCALES.** Bargains. All capacities. Used Scales. Shipped on 30 day free trial. Salesmen wanted. Bonded Scale Co., manufacturers, Dept. GFJ, Columbus, O.

**SCALES WANTED**

**20 TON TRUCK SCALES** wanted. Markusen Grain & Bean Co., Edgar, Mont.

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**Grain & Feed Journals  
Consolidated**

332 S. La Salle St. Chicago, Ill.

# INFORMATION WANTED

Jesse E. McMurphy, sheriff of DeWitt County, Clinton, Illinois, will be pleased to hear from any farmer or elevator operator who has bought grain from or sold grain to either of the men whose pictures are reproduced herewith. William Hower is the owner of the trailer truck equipped with a hydraulic jack, while Price is his driver. Both are being detained in the county jail at Clinton, Ill.

Any one having dealings with either of these two men or any of the truckers whose pictures are published on the outside front cover of the April 14th Journal will please communicate with Jesse E. McMurphy, sheriff of Dewitt County, Clinton, Ill.



No. 485 — Name: William Hower.  
Age: 28; Height 6 ft. Weight 150.  
Eyes: Gray; Comp. Dark; Hair: Dk-Brown.  
Build: Slender; Scars & Marks: None.  
FPC: 13 R O

No. 486 — Name: Lee Price.  
Age: 27; Height 5' 9½"; Weight: 160.  
Eyes: Gray; Comp: Med-Dark; Hair: Brown.  
Build: Medium; Scars & Marks: None.  
FPC: (30) 25 W 0 19

30 R 00 17

2 U 00



**THE BUFFALO SCALE COMPANY**  
*announces* A NEW PLAN  
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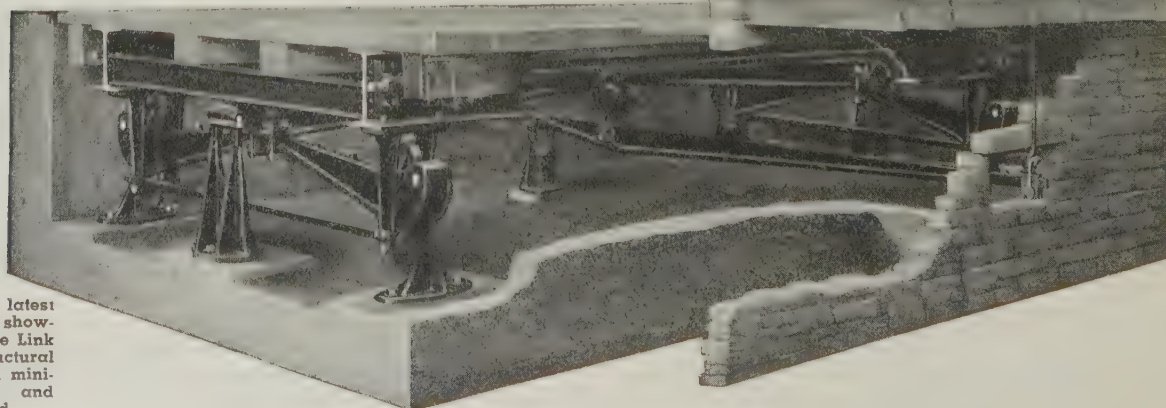
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# GRAIN & FEED JOURNALS

CONSOLIDATED  
INCORPORATED

332 S. La Salle St., Chicago, Ill., U.S.A.  
Charles S. Clark, Manager

A merger of  
GRAIN DEALERS JOURNAL  
Established 1898

AMERICAN ELEVATOR &  
GRAIN TRADE  
Established 1882

THE GRAIN WORLD  
Established 1928

PRICE CURRENT - GRAIN REPORTER  
Established 1844

Published on the second and fourth Wednesdays of each month in the interests of better business methods for progressive wholesale dealers in grain, feed and field seeds. It is the champion of improved mechanical equipment for facilitating and expediting the handling, grinding and improving of grain, feeds and seeds.

SUBSCRIPTION RATES to United States, Canada and countries within the 8th Postal Zone, semi-monthly, one year, cash with order, \$2.00; single copy current issue, 25c.

To Foreign Countries, prepaid, one year, \$3.00.

THE ADVERTISING value of the Grain & Feed Journals Consolidated as a medium for reaching progressive grain, feed and field seed dealers and elevator operators is unquestioned.

Advertisements of meritorious grain elevator and feed grinding machinery and of responsible firms who seek to serve grain, feed and field seed dealers are solicited. We will not knowingly permit our pages to be used by irresponsible firms for advertising a fake or a swindle.

LETTERS on subjects of interest to those engaged in the grain, feed and field seed trades, news items, reports on crops, grain movements, new grain firms, new grain elevators, contemplated improvements, grain receipts, shipments, and cars leaking grain in transit, are always welcome. Let us hear from you.

QUERIES for grain trade information not found in the Journal are invited. The service is free.

CHICAGO, ILL., MAY 12, 1937

TESTING, cleaning and treating seed for farmer patrons not only helps the farmers to the surer production of bounteous crops, but it also gains the farmers good will and increases the volume of the grain he hauls to market after harvests. A small investment in such facilities pays pleasing returns.

LACK of a cut-off valve in cob spout of an Indiana elevator resulted in fire, which originated in the boiler room, spreading up spout to cupola and damaging elevator in the amount of \$2500. A metal end with cut-off valve would not have cost five dollars but it would have prevented fire running up the cob spout.

IRON CLADDING of country elevators and their adjoining buildings proceeds at a most encouraging pace. The credit allowed on the fire insurance premium for the correction of the spark hazard is so generous, the cost of the best iron cladding obtainable is soon returned to the elevator owner in reduced insurance expense.

DUST COLLECTING equipment of modern design not only keeps the elevator free from dust, but it helps materially to reduce the dust explosion hazard and to discourage weevil and other grain infesting insects which have the pernicious habit of hiding in dark damp corners where it is easy for dust to accumulate.

CAREFULLY well planned improvements in your elevator are always expected to reduce the labor, the power, the hazards and the cost of operating your plant, but if you are also willing to reduce the cost of your fire insurance while making your improvements, it will surely pay you to consult with your fire insurance underwriter.

THE IMPROVED DIESEL engine of small power is supplying power at such a low cost that many elevator operators are investigating the practicability of producing their own electric current which will be free of peak load charges. Some have found it economical to retain their electric motors and generate their own current for light and power with a small Diesel under their own control.

DISASTROUS accidents resulting from continued use of old style manlifts calls for the early discarding of any manlift which is not equipped with reliable safety devices, and which will stay in prime working condition. So many lives and limbs have been sacrificed to the continued use of obsolete models no well informed elevator operator will tolerate anything but the most dependable manlift obtainable.

GREATER USE of the wires for overnight messages may be expected as the consequence of the telegraph companies' reductions effective June 1, without interfering with the instant daytime service on market orders and confirmations demanded by the grain dealers. A few grain men who have been using the air mail to make reports of transactions may switch to the new telegraphic service. It is gratifying that these public service corporations are striving to meet the needs of the public.

CHEAP BELTING has never proved satisfactory for leg belts. While the speed is never excessive, the weight carried exerts a heavy stress on the fabric and shortens the life of the belt. If you want a dependable belt that can be relied upon to do its full duty even at the height of the marketing season, then do not hesitate to pay a price that will insure your getting a belt you can rely upon giving you needed service. Bucket bolts will not pull through a firm fabric that is well protected by a heavy coating of rubber. Few two-ply rubber belts have ever been cheap enough to justify their installation because the next day a good belt was needed.

THE FLAT BOTTOM BIN and its accompaniment of large shovels and backaches has always provided a dark, close and uncomfortable place to work, but owners have succeeded in bribing men to forget the dark ages and climb into the old time flat bottom receptacles to dig the musty, damp and stinking weevil nests out of the corners. Tolerating such a nuisance around the elevator greatly increases the cost of operation.

THE SEASON for thunder storms and lightning bombardments of country elevators is again at hand, but most of the elevator owners have already installed standard lighting protection which not only reduces the lightning hazard, but also reduces the cost of fire insurance when you consider that this equipment can be obtained without cost to elevator owners. Those who neglect to install it are naturally credited with courting destruction.

ANTI-FRICTION BEARINGS not only reduce the amount of power required to operate any given unit in the elevator, but they also reduce the cost and labor of applying oil. The credit allowed by fire insurance companies specializing in grain elevators, will soon return the original cost of the bearings to the elevator owner and thereafter be a source of revenue so long as he carries fire insurance. So many grain elevators equipped with plain bearings are sacrificed to friction fires, their continued use needlessly increases the cost and hazards of operation.

RATS, MICE and ground squirrels have made so much trouble for the operators of old time elevators built on the ground or with a stone foundation that no grain dealer of experience now plans on building a new elevator without providing a rat-proof basement and foundation. Ample clearance in the boot pit facilitates the removal of grain or grain dust which accumulates in dark corners where weevil congregate and multiply with startling rapidity. If the basement floor and walls are constructed of concrete it is easy to keep it clean.

A BILL to permit an over-all truck or combination tractor and semi-trailer length of 40 feet has been introduced in the Illinois legislature. While this is only five feet more than the present limit of 35 feet, and while the bill manifestly has not been designed to discriminate against grain dealers, it should be kept in mind that grain dealers have heavy investments in truck scales, and that general increases in truck lengths would further affect the ability of grain dealers to weigh the trucks with which they deal. Few grain dealers have scales with decks more than 24 to 28 feet long; still fewer with deck lengths of 34 feet or more.



## The Need of Modern Weighing Facilities

Grain dealers who are willing to buy or sell grain by guess need to clean up the elevator occasionally and check the weights of receipts with the weights of shipments. Present day market values emphasize the necessity of modern weighing facilities which can be depended upon to give correct weight both in and out of the elevator.

Trying to conduct a grain business in these ten ton truck days with a scale installed in the early horse and buggy days is most hazardous. If a heavily laden truck drives onto your small capacity scale and it breaks down, wrecking the truck and killing the driver, it may result in a much greater expense than the best 20 ton truck scale obtainable. And what is worse, it would put many elevators out of business until new weighing facilities could be installed.

Some cautious elevator owners paste signs in their driveways "WARNING drivers of heavy trucks against driving onto scale platform with load in excess of 10 tons." While such a warning helps to place much of the blame for any accident upon the driver, it does not help the elevator operator obtain an accurate weighing of extra heavy loads.

A safer and a more profitable method is to install immediately a modern truck scale which will weigh the largest of loads without damage to vehicle or injury to driver. The modern truck scale not only expedites the weighing of the largest trucks and insures the correct weighing of their contents, but through the use of type registering beams they minimize the opportunity for error in reading or recording weight, and return their cost many times a season.

More elevators have improved their weighing and dumping facilities during the last year than ever, but many are still using the old dump sink doors which always require several minutes to open. With heavy steel grating obtainable at so low a cost it is high time the old dump sink door was banished forever.

The 20 ton truck scale and the improved truck dump have contributed liberally to facilitating and expediting the unloading of the heaviest trucks, but inasmuch as no elevator can handle grain faster than its slowest unit, it is easy to recognize the necessity of bringing the handling capacity of the dump sinks, distributing spouts, weighing facilities, legs and loading spouts up to uniform handling capacity so that it will not be necessary to slow down any operation because of slow performance of any other section of the elevator's equipment.

The improved highways which have encouraged the use of larger and larger trucks in the marketing of grain have impressed the elevator operator with the

necessity of installing faster receiving facilities, but unless he also speeds up every other section of his grain elevator equipment, his house is still too slow for today.

## The Cost of Operating Poorly Equipped Legs

Elevator builders are generally agreed that elevator operators waste more money trying to elevate grain with legs poorly equipped than what it would cost them to install new up to the minute legs. The cost of tripling the elevating capacity of obsolete legs is so small, and the economy effected by modernizing legs so pleasing, the wonder is that anyone, even the most parsimonious elevator owner, would hesitate to enlarge their legs and equip them with buckets which will handle much more grain without an increase in the handling cost.

Continuing the operation of any legs with bent and drooping buckets is always unnecessarily expensive. Builders are generally agreed that the efficiency of the average leg in constant use rapidly declines because elevator owners neglect to repair or replace jammed and lost buckets. It is wasteful extravagance to continue the operation of small capacity or worn out legs. The elevator operator readily recognizes that he cannot hope to expedite the elevation of heavy truck loads with legs afflicted with hanging buckets.

The old time small diameter head pulley never was satisfactory, so that an elevator operator handicapped with such a toy is delighted to change to a modern large diameter well lagged head pulley that is speeded so as to deliver all the grain it elevates into a distributing spout. While back legging of grain has long been an affliction of old time installations, it is a most expensive and discouraging operation. The progressive elevator builder of today plans his elevator head so as to prevent any back legging. The leg which drops even a small percent of the grain it elevates into the down leg casing is an extreme extravagance that should not be tolerated.

To get satisfactory results from any leg, the elevator head pulley must be lagged so as to prevent slipping, the belt

must run true, and the buckets be firmly attached to it at regular intervals; so as to pick up a full load in the boot and deliver it without spill into the distributing spout at the head, otherwise the operation is wasting a lot of time and power unnecessarily. The leg is really the heart of the elevator and unless it is in prime working condition, the rest of the plant is slowed down in every operation.

The expense of throwing out the old small capacity legs and installing modern legs with larger head pulleys and larger buckets placed closer together on the belt is trifling compared to the greater efficiency and the pleasing economy attained. Those who are satisfied to let well enough alone, in fairness to themselves should investigate the merits of the modern leg, and relieve their mechanical facilities from the chains of obsolescence.

## Everybody's Improving

The grain crops of the last three years have been greatly reduced by drought, chinchbugs, black rust and last but not least, political interference, so that elevator men generally have not made the improvements they needed or wanted. It is but natural that 1937 with its splendid crop prospect should bring an "About! face!" Elevator men generally are encouraged by the high prices prevailing, which stimulates the planting of a larger acreage of all grains, to improve their grain elevator facilities and adopt some of the many new and novel machines for improving their grain handling facilities and reducing the cost of operating their plants.

We were pleased to publish in our two April numbers and the first number of May notices of 74 new grain elevators and notices of 318 firms who are improving their elevators, so there is no doubt that the rank and file are fully aware of the advantages of modernizing their grain handling facilities. The saving in cost of operation alone will more than pay for the improvements needed and the modernized plant will be able to handle a greater volume of grain without any increase in labor expense. It is most wasteful to continue the use of obsolete or worn out equipment.

### IN LIFE'S GARDEN

Count your garden by the flowers  
 Never by the leaves that fall—  
 Count your days by golden hours,  
 Don't remember clouds at all—  
 Count your nights by stars, not shadows,  
 Count your life with smiles, not tears,  
 And wish joy through all your lifetime,  
 Count your age by friends, not years.



# Kansas Dealers Celebrate Fortieth Anniversary

The Kansas Grain, Feed & Seed Dealers Ass'n held an enthusiastic convention at Wichita May 11 and 12 in celebration of its fortieth birthday. All were most optimistic over the pleasing prospect of improved business for the coming crop year.

PRES. W. L. DRAKE, Humboldt, called the first session to order Tuesday morning in the roof garden and after community singing, led by C. C. Ogren, Wichita, the delegates were welcomed on behalf of the city and the Board of Trade by Ed Beyer.

F. W. DAVIDSON of Topeka responded. PRES. DRAKE read his annual address as follows:

Since the immigrants introduced the variety of wheat which has made this state famous, we have witnessed phenomenal and truly sensational development in methods of production, handling, marketing and processing. Always striving for greater efficiency and economy in sending our millions of bushels of surplus bread grain from the fields to the dinner table, our industry is now generally recognized by agriculture and commerce as the most successful of all in establishing the smallest cost in the expeditious handling of any staple farm commodity.

During the last two-score years, the grain trade has experienced some profitable years and has been confronted with many adversities. During much of this time, so far as production and price is concerned, natural influences have dominated. However, in recent years there has been every conceivable experiment to influence values, production and disposition.

We have seen the disastrous effect of these ill-advised dreams of a new Utopia not only upon agriculture but world commerce as a whole. Nationalism has been resorted to by every nation. Importing nations retaliated by controls and the hiking of tariff duties to prohibitive levels.

The mighty influence of nature has brought destruction to the many absurd attempts to regulate. Today, we are rapidly returning to trade factor guides which we followed in the years before the so-called experts undermined normal courses of trade.

**Legislation:** Through the efforts of your association your interests have been closely represented in the Kansas Legislature. Many bills which would have worked a serious hardship on the grain industry, were defeated. Our interest in the new sales tax law is manifested by the exemptions accorded our members. Your association sponsored the following exemption:

"For the purposes of this act, poultry, dairy and other livestock feed and the component parts thereof, and all seeds or seedlings, are deemed to become component parts of the eggs, milk, meat and other livestock products, plants and plant products, produced for resale; and each sale of such feed or seed shall be deemed a wholesale sale and shall be exempt from taxation under this act."

In many states, Missouri, for example, dealers are compelled to collect the tax on feed-stuffs sold to farmers. It is our contention that feeds sold to producers should be classified in the category of "sale for resale" because animals fed with such products are taxed when sold over the butchers' counter.

In the last session several proposed measures, if enacted into law, would have had a disastrous effect on the operation of country elevators. The diversified interests of our members require that our association be represented during each session of our Legislature.

Considerable legislation which will have a vital influence upon production and handling of grain is being considered in Washington. At the present time, crop insurance and the ever normal granary plan are two of the major bills, the status of which is indefinite. New and supplemental regulations under the Commodity Exchange Administration are expected to be issued shortly.

**Grain grading schools** are most commendable. The wide interest on the part of the country dealer shows an eagerness to acquire a better understanding of the factors bearing upon quality and prices.

**Wheat Test Plots:** In this connection, a most worthy project has been initiated by the Kansas State College in co-operation with trade interests. At Junction City, wheat samples taken from deliveries of over 100 farm-

ers, are being grown in test plots. On June 15, these producers will be invited to Junction City, where agronomists will explain the effect of certain varieties as to adaptability and yield in certain areas. It is expected that country elevator operators will be asked to co-operate with similar experimental plots in all sections of the state for its educational value in selection of better seed and the elimination of rye and other mixtures.

**Wheat crop prospects** are the most favorable in several years; and this outlook, together with an indicated high level of prices, has engendered a most optimistic feeling in trade and business circles. It is also quite a relief to the grain industry to see the restoration of export business, particularly in this year when European stocks are the smallest in the past ten years. Reports indicate that a comparatively large quantity of wheat has been booked to Europe for delivery on the new crop. Kansas, as a surplus producing state, welcomes this reopening of business through our Gulf ports.

I wish to thank the members of this association for their willing co-operation in dealing with the many problems which have confronted us. Your association today has been strengthened by an increase of about 200 new members. You have assisted us splendidly in this upbuilding.

Sec'y J. F. Moyer, Dodge City, delivered his annual report:

## Secretary Moyer's Annual Report

This association was a pretty active and helpful organization during the first forty years of its existence, and I have every reason to believe that through the coming years it will accomplish much more.

I want to pay a deserving tribute to my predecessor, E. J. Smiley, not only for the interest he took in the association, and the valuable work done for it during his 39 years reign, but also for the manner in which he preserved the early records of this association.

Recently I wanted some information concerning this organization and I want you to know that I had no difficulty in leafing back through the files and finding the minutes of the first called meeting of The Kansas Grain Dealers' Ass'n at Holton, in the Teer Hotel, Dec. 29, 1896, where 35 grain men of Northeast Kansas banded themselves together for the purpose of surmounting some of their major difficulties.

Such pioneers as N. B. Hiatt of Willis; J. W. Thomas of Home; J. C. Elliott of Holton, and E. J. Smiley of Dunovant, formed the backbone of the organization at that time and later became its officers. Three weeks later the first meeting was held at Atchison, a little more than forty years ago.

Thirty years ago this association held its Tenth Annual Convention in the Carey Hotel, this city. Mr. L. Cortelyou was then president.

The need of your association; the need of a united effort in attacking and working out problems confronting the grain trade, are just as important today as they were forty years ago.

Some think that your business of finding a market, processing, storing and distributing agricultural products of our State is an unimportant matter. Today men are elected to our legislative bodies who think that you, as a permanent operator, who provide a necessary service to your community, should be subjected to all the taxes that can be imposed upon a permanent business, but are not disposed to assess equal taxes upon itinerant merchants who operate only at certain seasons of the year in competition with you.

Others believe that a more economical system of distribution can be obtained through governmental agencies, altho that has been tried many times at a tremendous expense to the taxpayers and in each case has completely failed. It is a well established fact that there has been no system devised whereby agricultural products can be more efficiently or more economically distributed than through our present competitive system, financed and operated by private capital.

No commodity is handled on a smaller margin of profit than grain, and nowhere is it handled on a smaller margin than in Kansas. Too small in many cases because elevator operators fail to take into account many items of expense that should be, and must be, considered, if they are to continue in business.

**ELEVATOR EXPENSES:** Salaries of employees; incidental expenses necessary in the operation of elevator; old age retirement taxes;

unemployment taxes; property taxes; moneys and credit taxes; income taxes; costs of bonds, agents and elevators; scale inspection costs; capital stock tax; maintenance and upkeep of the elevator and its equipment; power used in the operation of the elevator; the insurance cost on elevator, and grain stored therein; depreciation of the property; interest on the investment; the freight on the dirt or dockage in the grain; losses due to misgrading; natural shrinkage in store and in transit; hedging charge to protect the buyer against fluctuating markets; commissions for selling grain at terminals; state weighing charges; federal and state inspection charges; state taxes on grain in storage.

Many elevators in the drought belts have been paying most of these charges for four or five years with little volume from which to receive returns, yet they have remained at their post and provided a market for the small amount of business that was offered. You, as local dealers, perform a valuable service to your community but you cannot continue that service unless you do business on a basis that will allow you a margin of profit after all of these expenses are considered.

**RATES AND CLAIMS:** When drought rates were first authorized last summer, they included only hay and rough feed. We were instrumental in getting feed grains included in the drought rates, which not only added materially to the volume of business done by the Kansas dealers, but saved thousands of dollars for the farmers of Kansas.

We have assisted in settling many disagreements and working out technical local problems of individual dealers.

We have filed several hundred railroad claims for members and recovered for some of them amounts sufficient to pay their dues in this association for several years.

We have succeeded in recovering on many claims upon which payment had previously been refused.

**LEGISLATION:** During the legislative session we endeavored to protect your interests, as well as that of the producer, upon whose prosperity your business hinges.

We sponsored and succeeded in obtaining the passage of needed legislation dealing with the Kansas State Grain Inspection Department. We were successful in obtaining a measure providing for official inspection, including germination, purity, and other factors that are required under the Kansas Seed Law, on field seeds in carload or truck load lots.

We opposed and succeeded in defeating a chain store tax bill that, had it become law, would have thrust another tax upon every dealer operating more than one place of business.

I do not believe that the heads of our State Agricultural College desire to become engaged in the merchandise business, yet there was a bill presented before the late session of our legislature to make that institution a merchandising agency for certain products that you, as dealers, are regularly supplying to your trade. This bill was opposed by your association and was successfully defeated.

**CROP REPORTS:** During the past year I have traveled nearly 25,000 miles in the interest of this association, in trying to give you accurate and first hand information on growing crops. With rapid transportation and communication service, crop reports are becoming more and more a price making factor, and as a result of extensive research work, valuable information with reference to soil moisture, rainfall and crop production, has been obtained during recent years. Experience has proven that there is a definite relationship between soil moisture at planting time and crop production, especially of wheat, and to a lesser degree on other grains.

Recent discoveries reveal that approximately two thousand pounds of water is required to produce one pound of wheat, or sixty tons of water to produce a bushel; twelve hundred tons, or 400,000 gallons of precipitation is needed on an acre of ground to produce twenty bushels of wheat. Production in the western plains really determines the size of the crop, for it is there surpluses or deficiencies are created. Never has a major crop been produced when the Plains area failed.

**MEMBERSHIP:** During the past year we secured 215 new members. These members represent more than 300 elevators added to our group. While we have not scored one hundred per cent in our endeavors, we have made some progress, and in your program for next year, I trust that your Board of Directors will establish as their objective a more thorough and complete service for their members. No association can function properly or render maximum service without its membership cooperating one hundred per cent, and every dealer in the State should consider the value of the services of this organization and give to it the moral and financial support that it deserves.

There are approximately 2,000 elevators in the State of Kansas, representing an investment of, I would say, \$50,000,000. Certainly an industry of that proportion should be able

[Concluded on page 402]



## Asked—Answered

[Readers who fail to find trade information desired should send query for free publication here. The experience of your brother dealers is worth consulting. Replies to queries are solicited.]

### Grain Elevator Charges?

*Grain & Feed Journals:* We wish to know the tariff of charges of grain elevators in Texas for cleaning, drying and storing wheat and corn.—E. Martinez de Alva, gen. mgr. Almacenes Nacionales de Deposita, S. A., City of Mexico, Mexico.

**Ans.:** The J. C. Crouch Grain Co., operating as licensed warehousemen elevators at Dallas, Lubbock, Amarillo and Fort Worth, Tex., makes the following charges: cleaning 1 cent per bushel; drying, 2½¢ per bushel and up, depending on amount of moisture in grain; storage 1/40¢ per bushel per day; unloading and 30 days' storage, 1¢ per bushel minimum; loading out, ½¢ per bushel.

The Fort Worth Elevators & Warehousing Co., Fort Worth, Tex., in its 1929 tariff charged ½¢ per bushel for cleaning; 1/30¢ per bushel per day for storage; unloading, ½¢ per bushel; loading out, ½¢ per bushel.

The Perry Burrus Elevators, Dallas, Tex., charges 1/30¢ per bushel for storage, ¾¢ for unloading or loading; 1¢ per bushel for cleaning.

### Grain Imports

*Grain & Feed Journals:* I have been interested in The Journal's resume of importations of grains, meals, oils, meats and all such commodities competing with American goods.

I have a time or two passed this information out to railway executives who appreciate it. The trends of grain and other farm produce the past three years have been in just any direction, due to imports, crop failures, dust storms, etc.

I imagine you keep up pretty close to the U. S. figures on imports affecting our agricultural interests and might advise me such figures up thru 1936 or as far into 1936 as you can. On April 25 last year I put out the figures you prepared up to Dec. 31, 1935, on a single sheet, showing all grains, malt, butter, various meals, beef tallow, and cattle.

The Indianapolis Star carried an editorial dated July 13, 1936, on these figures, heading it "Looting the Farmer's Best Market." Can you bring me closer to date than Dec. 31, 1935? Some of our mills have bought South African and Argentine corn coming thru the east ports as well as Gulf ports and Chicago.—L. E. Banta, traffic department, Indianapolis Board of Trade.

**Ans.:** In your file of the Journals you will find these figures in the 3rd column, page 238 of the March 24 issue:

U. S. imports of grain and grain products during the period July-November, 1936, compared with imports during the like period in 1935 (shown in parenthesis), were as follows: Barley, 6,735,000 bus. (406,000); barley malt, 140,666,000 lbs. (132,591,000); corn, 21,379,000 bus. (23,530,000); oats, 84,000 bus. (44,000); rye, 3,709,000 bus. (2,091,000); rice, 49,909,000 lbs. (9,127,000); wheat, 28,521,000 bus. (21,590,000); flaxseed, 7,053,000 bus. (6,876,000).

### Grasshopper Drive

Dr. J. R. Parker, of the federal Bureau of Entomology & Plant Quarantine, will have charge of the headquarters for grasshopper control which will be established in Minneapolis for the 1937 season. From this office he will direct the grasshopper extermination campaign extending over 23 states, using a \$1,000,000 congressional appropriation for the control of insects.

Sodium arsenite, bran or low grade flour, and sawdust will be delivered to selected centers in infested areas for mixing and distribution, but federal purchases are expected to be supplemented with state, county and private purchases.

A red mite that eats heartily of grasshopper eggs has been found extensive in many places this year, and may prevent the expected grasshopper plague. Hurrah for red mite!

### Lewis T. Sayre Passes On

Lewis T. Sayre, 53 years old, a leading member of the Chicago Board of Trade, and capable trustee in the reorganization of the Rosenbaum Grain Corp., passed away unexpectedly at the Mercy hospital, Chicago, the night of May 4, following a lingering illness.

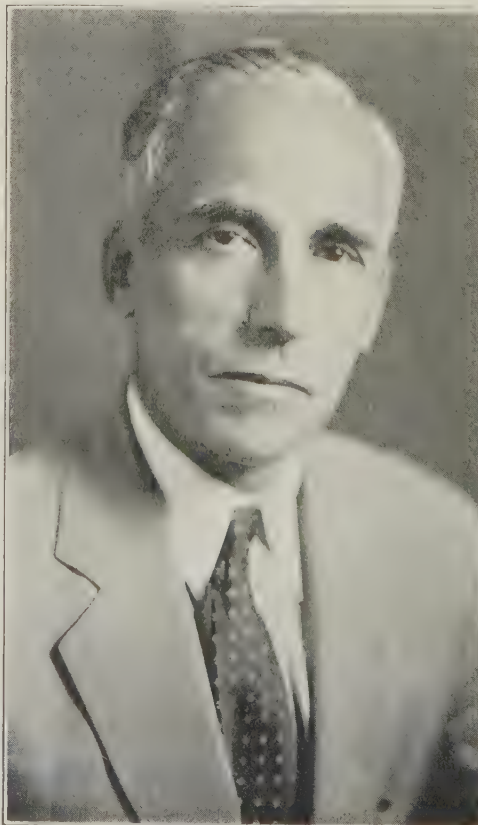
Mr. Sayre was born in Chicago, and graduated from Loyola University. At the age of 21 he started in the grain business as a sweeper in the Irondale elevator of the J. Rosenbaum Grain Co., with which his father, J. B. Sayre, was long associated. Successively he rose thru the various elevator positions, to become the elevator's superintendent. While in this position in 1916 Mr. Sayre became a member of the Board of Trade. A few years later Mr. Sayre was elected sec'y of the Rosenbaum Grain Corp. He was a trustee in its reorganization receivership until ill-health forced his retirement seven months ago.

Always an active organization man, Mr. Sayre began his services for the Board of Trade soon after he became connected with it, acting on countless com'ites, particularly those concerned with the direct handling of cash grain.

In 1932 he was elected a director of the Board of Trade and was in his second term as a director at the time of his death.

Mr. Sayre was among the first members, and a staunch supporter of the Society of Grain Elevator Superintendents.

Mr. Sayre earned a reputation for wise counsel and the respect and devoted admiration of all who knew him. A long list of officers and members of the Chicago Board of Trade, numberless elevator superintendents and other friends, attended the last rites at St. Philip Neri Church, and interment at the Holy Sepulchre



Moffett-Russell Photo  
Lewis T. Sayre, Chicago, Deceased

cemetery May 7. A host of admirers in the grain trade mourn his loss.

### Coming Conventions

Trade conventions are always worth while, as they afford live, progressive grain dealers a chance to meet other merchants from the same industry. You can not afford to pass up these opportunities to cultivate friendly relations and profit by the experience and study of others.

May 17, 18. Panhandle Grain Dealers Ass'n, Herring Hotel, Amarillo, Tex.

May 21, 22. Texas Grain & Feed Dealers Ass'n, Hotel Texas, Ft. Worth.

May 24, 25. American Corn Millers Federation, Chicago, Ill.

May 26, 27. The Millers National Federation, Drake Hotel, Chicago.

May 27. Missouri Grain Dealers & Millers Ass'n, Missouri Hotel, Jefferson City, Mo.

June 1, 2. Pacific States Seedsmen's Ass'n, Santa Barbara, Cal.

June 2-3. Northwest Retail Feed Ass'n, Hotel Nicollet, Minneapolis, Minn.

June 7, 8. Central Retail Feed Ass'n, Schroeder Hotel, Milwaukee, Wis.

June 10, 11. American Feed Manufacturers Ass'n, Homestead Hotel, Hot Springs, Va.

June 10, 11, 12. Southern Seedsmen's Ass'n, Nashville, Tenn.

June 14. Farm Seed Group, Statler Hotel, Cleveland, O.

June 14 to 16. Society of Grain Elevator Superintendents of North America, Fort William-Port Arthur, Ont.

June 14 to 17. American Seed Trade Ass'n, Statler Hotel, Cleveland, O.

June 21, 22. Ohio Grain, Mill & Feed Dealers Ass'n, Breakers Hotel, Cedar Point, Sandusky, O.

June 22, 23, 24. National Hay Ass'n, Cedar Point, Sandusky, O.

Aug. 18, 19. New York State Hay & Grain Dealers Ass'n, Albany, N. Y.

Sept. 9, 10. Mutual Millers & Feed Dealers Ass'n, Jamestown, N. Y.

October 11, 12. Grain & Feed Dealers National Ass'n, Dallas, Tex.

### Superintendents' Society Anticipates Big Meeting

C. D. Sturtevant, Bartlett-Frazier Co., Chicago, and O. F. Bast, Minneapolis, prominent figures in Ass'n and legislative activities affecting the grain industry, will address the 8th Annual Convention of the Society of Grain Elevator Superintendents of North America at Fort Williams-Port Arthur, Ontario, June 14-16. Mr. Sturtevant will speak on the "Federal Trade Commission Report." Mr. Bast will speak on "Management—Superintendent Relationships."

Between a dozen and fifteen Winnipeg elevator managers and several owners and directing officers of U. S. grain firms are expected to add their thoughts on the mechanical and operative subjects.

An unusually large attendance is anticipated this year because of the 55% increase in membership that has brought the total to 328.

The schedule of convention topics will include every technical phase of elevator operation and maintenance. Fort William-Port Arthur is the largest grain storage center in the world, has the reputation for modern and efficient terminal elevators.

While the rat population in large cities has dropped to one rat for each two persons, the normally abundant food supplies, and many hiding places afforded around grain elevators and farm granaries, have extended the rat population in the country, until extensive poisoning campaigns have been necessary in some areas.



## Judging Grain Markets

By E. A. STOKDYK, Oakland, Cal., before California Hay, Grain & Feed Dealers Ass'n.

Some grain and feed dealers never place a bet on the horse races but all who deal in grains and feeds are forced to place bets on the grain markets thru their purchases and sales. Some follow the records and conditions closely and act accordingly, while others play hunches. I will try to summarize the studies made by students of the grain markets.

The periods of strength in the wheat market are September and October, December and January, and May. The periods of weakness are July and August, November, February, March, April and June. This varies somewhat with large, small, and average crop years. The primary reason for the strong and weak spots is the fluctuation in volume marketed by the leading wheat exporting countries of the world. In July and August, a large portion of the United States harvest moves to market. In November, Canadian shipments are heavy, while in February, March and early April, Argentina and Australia exports increase. On the other hand, marketings are comparatively light from the chief export countries in September, October, December, January and May. Should any of the exporters have a small crop, the weak spots are not as pronounced or the market may advance moderately, while extremely large crops sometimes reverse the usual periods of strength.

At the moment (April, 1937) we are in a strong seasonal position: that is, we are at a time of the year when prices are strong oftener than weak; the supply situation is bullish, and we are in a period of rising commodity prices.

However, taking a longer view than that of the moment, we must remember that since 1932 we have had advancing wheat prices and that a turning point is bound to come. Since 1892 there have been 12 periods of rising wheat prices, and the one we are in has been greatest in amount and has lasted longer than usual. Six of the twelve upturns ended in May, two in February, two in April; one in June, and one in January. Unless the new wheat crop is extremely small, we are likely to see a down-turn in the wheat market before the harvest. The peak before the down-turn has usually been made in periods such as this in a short period of advancing prices.

**CORN PRICES**—The corn market, like the wheat market, exhibits periods of seasonal strength and weakness. From August to December the chances are about 2 or 3 to 1 for a declining market, while in January, March, April and July the odds are in favor of a rising market. In February, May, and June, the odds are about even, except in years of short crops February has declined oftener than it has advanced.

The points of strength and weakness in the corn market are caused by many factors, one of which is the fluctuations in the marketings of corn in the United States and Argentina. Another is the fluctuation in the number of grain-consuming animals on farms, and a third is the supply of competitive feeds.

At the moment, although the odds are about even for a rising or declining corn market at this time of year, lower corn prices are probable. Increased imports of Argentine corn and slackening of feeding demand with grass available will tend to depress prices. Prices for corn in domestic markets are relatively higher than European; hence a larger portion than usual for the Argentine crop is likely to be shipped to the United States. The Argentine crop, estimated at 362 million bushels, is 8 per cent smaller than last year, but 9 per cent above the five-year average.

A longer view of the corn market indicates declining prices also. The grain-consuming animal units, excluding poultry, on farms on Jan. 1, 1937, were 11 per cent less than the five-year average (1928-32). If feed crops in general are average, even in spite of the small carryover of

grain feeds, the supply per animal will be as large as the five-year average.

**THE BARLEY MARKET** is almost a two seasonal market with weakness in June and strength from August to the following May. The strongest period is usually August and September, while June and early July are by far the weakest. Peak prices are seldom reached, however, until later in the season. The peak was in May 7 times, in April 4 times, in January 3 times, February 3 times, August 2 times, and in July, September, October and November 1 time. However, in switching from a small crop year to a large crop year, the June market was higher than any month of the season 4 times.

At the moment the odds are about even for a rise or a decline in the barley market with circumstances favoring a strong market in May. Available supplies from last year's small United States crop are short and demand for malting has been heavy—estimated to be in excess of 40 per cent of the total crop. It is likely that May will show a new peak before the new crop influence is strongly felt.

Lower prices for the next crop year are indicated, however, by acreage and the number of animal grain-consuming units on farms. Acreage to be harvested this year is forecast by the Bureau of Agricultural Economics at 37 per cent larger than last year. Other feed grains shows acreage increases also—oats about 30 per cent and grain sorghums 7 per cent. As was pointed out before, the number of animal units on farms is small—all of which indicates lower barley prices.

## Flaxseed Offer

Government-owned supplies of flaxseed at Minneapolis will be offered thru dealers in eight midwestern states in l.c.l. lots at the same prices it has heretofore been offered in carload lots, announced the AAA May 8.

The offer is extended to dealers in North Dakota, Montana, Wyoming, South Dakota, Nebraska, Iowa, Minnesota, and Wisconsin. The price is \$2.70 per bu. to farmers regardless of the distance from Minneapolis. The minimum quantity to move in any one parcel is set at 125 bus.

Approximately 225,000 bus. of flaxseed are held by the Federal Surplus Commodities Corp., part of the seed supply accumulated after last year's drought against expected shortage this spring. The seed is reported to have been thoroughly cleaned.

## Indiana Grain Dealers Will Convene at Lake Wawasee

Following a called meeting of the Board of Directors of the Indiana Grain Dealers Assn., Secretary Fred K. Sale, Indianapolis, announces the decision of the Directors to hold the midsummer meeting of the Association at the Sargent Hotel, Wawasee, Ind. The hotel is located on Lake Wawasee, the largest lake in Indiana. Plans are being made for this to be a real vacation at the lake over the week-end and an unusually large attendance is anticipated.

Tentative plans call for business sessions on Monday and Tuesday mornings, June 6 and 7, with Monday afternoon devoted entirely to golf, soft ball game between the shippers and receivers, boating, swimming and other sport events. There will be special entertainment provided for the ladies and the children of the families who will accompany their parents to this summer meeting.

President Claude C. Barnes, Winchester, Ind., and Secretary Sale are already shaping up the program, which is going to be unusually interesting and on subjects which will be of vital importance to the grain and feed trade. Emphasis is being placed upon the general subjects of feeds at this summer meeting.

## Geo. H. Davis Made President of U. S. Chamber of Commerce

George H. Davis, of Kansas City, Mo., who has been elected president of the Chamber of Commerce of the United States, typifies the close relationship between business and agriculture. He is one of the large land holders of the country and is actively engaged in farming and stock raising. At the same time he is president of the Davis-Noland-Merrill Grain Co., which he organized in 1923 and which operates the ten million bushel Santa Fe elevator in Kansas City.

He served as chairman of the code authority of the grain exchanges under the NRA and as president of the Kansas City Board of Trade in 1912. He is prominently identified both with business and agriculture in the Middle West.

Mr. Davis was born in Amboy, Ill. He joined the Kansas City Board of Trade in 1886, being connected with the International Grain Co. He served the Board on many committees and with such credit to the organization that he was elected to the Presidency in 1912—the youngest man ever to be pressed into the candidacy for that high office.

His career is also typical of American achievement. He began as a clerk and later formed his own grain company. At the present time he has extensive land holdings in Missouri and Kansas, among them the old Dewey Ranch at Manhattan, Kan. He devotes much of his time to grain growing and cattle raising.

Before becoming president of the National Chamber, Mr. Davis served as a member of the Committees on Foreign Commerce, Land Policies and Railroad Consolidation.

An informal reception and dinner was tendered Mr. Davis by the Kansas City Board of Trade and the Kansas City Chamber of Commerce in the Muehlebach Hotel Monday night.



Geo. H. Davis, Kansas City, Mo.  
Pres., Chamber of Commerce, U. S. A.



## Letters from the Trade

[The grain dealers' forum for the discussion of grain trade problems, practices and needed reforms or improvements. When you have anything to say of interest to members of the grain trade, send it to the Journals for publication.]

### Corn Growers Buying Fertilizer With Dole

*Grain & Feed Journals:* We are selling more fertilizer than usual this spring for corn. Looks like perhaps 25% of corn would be fertilized, should be 100%. Government was out with its orders in Indiana to cut the corn acreage. The average 160 acre farm will get to raise about 40 acres of corn if owner participates in the dole that is being put out to farmers. Whether they will comply or not is an open question. We think not more than 30% of our farmers will, and they will be the ones who as a rule don't raise much any how.—Goodrich Bros. Co., P. E. Goodrich, Winchester, Ind.

### Mixes Shipments in an Extra Bin

*Grain & Feed Journals:* I have noticed many times that in blending grain in cars the elevator man does not take into consideration that the bin he is drawing most grain from may contain three or four different grades of grain. He just opens the different bins he wishes to blend from and goes into the car and examines the blend, then goes away until the car is loaded. After the top of the bin (which is the first grain to run out) is in car quite a different grade of grain appears.

The only way that this may be prevented is to run this blend into an empty bin and load it out from there. I have done this very thing many times and obtained an even blending.—Geo. Todd, Ames, Ia.

### Truckers Checks Bounce Back

*Grain & Feed Journals, Consolidated:* We have read with interest your account of some of the experiences of country elevators selling grain to truckers. A great deal of trucking business is done in this section of the country, and it seems to be increasing each year. We do not sell any grain to truckers, but we know that some elevator operators have had trouble with truckers' checks bouncing back on them. The prices we receive for carload grain may not be as high as some truckers pay, but we believe we are ahead in the long run.—The Miami Grain & Feed Co., Inc., Sidney, O.

### Gyped Farmers and Grain Dealers

*Grain & Feed Journals:* We only know of one truck load that we were really short weighted on through the hydraulic jack. In this case we lost about 5000 lbs. of oats. This party purchased two truck loads of us and when we told him that our weights were not correct he said he was going to weigh it over an automatic scale and would bring us the destination weight when he came after the second lot, but of course he never came after it. There has been much cheating by the truckmen all through this part of the state, which seemed to develop about the first of January and was carried out in an extensive way since that time.

A number of truckers have been arrested since that time and some have been held in jail at Wichita, McPherson, Independence and other places, but I have not heard of any of them being convicted as yet. [Five offenders were sentenced to the Kansas penitentiary last month, viz.: George Folk, Paul Beard, Bud Hendrickson, Don Bible and William Keeton. See portraits in Grain & Feed Journals for April 14th.—Ed.] In fact, I have not heard of any of

them having a trial. We have visited some of the jails where the suspects were held but could not identify any of them as being the one we had the deal with. We have been advised by officers that he was located in Illinois. We attended a meeting held in El Dorado three weeks ago and it was stated there by officers of the law that farmers and grain dealers in southern Kansas had been gyped out of something like \$50,000.—Very truly, Mannion Feed & Coal Co., Augusta, Kan.

### Will Not Deal With Strange Truckers

*Grain & Feed Journal:* I do not deal with any truckers. If I don't sell the grain at home I ship it out. I must admit the truckers have crippled my business to a certain extent. We have had a better crop through this section in the past year than they have had in many other places. The truckers will go out to a farmer's place, bid him a cent or two over the elevator price and get the grain—R. E. Bonfig, Ionia, Ia.

### Will Not Sell to Traveling Truckers

*Grain & Feed Journals:* I have sold only two truck loads of grain to roving truckers in the last two years, and then only to a conventional truck, not the trailer type. In each instance I have demanded cash before loading. I do not make a practice of selling to them, and have turned down hundreds of them, being firm in my belief that for the future welfare of the legitimate country grain dealer, in his now very satisfactory trading relationship with the terminal markets, that all country grain dealers should allow the flow of grain to follow in the natural channels.

I believe that if this practice had been followed instead of selling and buying from roving truckers, the price received would have been just as satisfactory, and all this fraud could have been avoided.—Walter E. Martens, Hendrix, Ill.

### Superintendents Oppose Wiring Buckets

The recommendation by the static electricity com'tee of the National Fire Prevention Ass'n that a continuous wire be fastened to outer edges of all grain elevator buckets, and presented at the annual meeting May 10 to 14 at Chicago, is strenuously opposed by the Society of Grain Elevator Superintendents of North America.

### Washington News

Washington, D. C.—The Customs Bureau has issued instructions to collectors to discontinue assessment of a countervailing duty on imports of Polish rye shipped from Poland before Mar. 16, when that country discontinued payment of bounties to importers.

Howard R. Tolley, AAA administrator, claimed on Apr. 28 that a plan has been devised by the Treasury, the AAA and the White House whereby wheat crop insurance costs would be cut from \$110,000,000 to \$35,000,000, and the outlay for all phases of the ever-normal granary program would be held strictly within the limits of direct appropriations no greater than are already earmarked for the AAA.

### Denied Hoarding

In three days on the witness stand before the Turgeon Royal Grain Commission, sitting at Calgary, late last month, Paul Bredt, pres. of Manitoba Pool Elevators, Ltd., reviewed operations of the Manitoba, Saskatchewan and Alberta wheat pools and their central selling agency.

Charges of hoarding he vigorously denied, declaring the central selling agency had always been a "free and anxious seller."

Mr. Bredt said the pools marketed 38.41% of the 1925 wheat crop; 53.15% in 1926; 53.15% in 1927; 52.51% in 1928; 52.15% in 1929, and 51.23% in 1930.

Among the witnesses called was John I. McFarland, of Calgary, former chairman of the Dominion wheat board and agent of the Dominion government in price stabilization operations.

Mr. McFarland, a world figure in the wheat trade when in charge of Canadian stabilization, presented a 36-page brief.

Asked by the Turgeon commission's counsel to explain why he held Canadian wheat in 1934 and 1935 at 20c to 25c a bu. over Argentine offers, Mr. McFarland said he had been informed by an Argentine diplomat, Le Breton, at Rome in 1934 that Argentina would deliver wheat in Liverpool as low as 30c a bu. if necessary to undersell Canada. "Why, then, offer bargains?" Mr. McFarland asked.

Mr. McFarland defended his policies and operations, said the world consumed as much wheat in 1930-35 as in preceding years, and that the surplus of that period was caused by bumper European crops and Russia's return to exporting. The alternative to holding in this period, he observed, was selling at "fire-sale" prices.

The Canadian government took over 76,000,000 bus. of wheat from the pools when the latter got into financial difficulties. In 1931 Mr. McFarland was long 150,000,000 bus. on the Winnipeg market. At the end of 1935 Mr. McFarland's holdings for the government reached the peak, 205,000,000 bus.



Norris Grain Co.'s 50,000 Bu. Concrete Elevator at Ottawa, Ill. [See facing page.]



# Modern Elevator Facilities on the Illinois River

A revival of barge service over the Mississippi river and its tributaries has led to the building of many wharfs, and a number of elevators for loading barges with grain where the Illinois river winds thru the heavy grain producing sections of the state between Chicago and the Mississippi.

Latest of these modern grain handling plants is the 50,000 bus. reinforced concrete elevator at the Norris Grain Co. at Ottawa, Ill., designed by P. F. McAllister. On the north side of the river, twenty feet back from the water's edge, the slab of its foundation, basement and pit resting on hardwood piles driven down to bed rock, this structure rises majestically 126 feet into the air, easily the most imposing building along the waterfront.

Four tanks, 91 feet high, 15 feet in diameter, and two interstice bins, make up its 50,000 bus. of storage space. On one side of the elevator is a 40-foot driveway, 16 feet high and 16 feet wide, built of structural steel and covered with corrugated iron. At each end of the driveway are double steel doors, which leave, when opened, a clearance 12 feet wide and 12 feet high. The driveway floor is of concrete. At the near end an 8x8 foot steel grate covers a 500 bushel receiving sink. Farther into the driveway is an overhead electric truck lift, supported by 15-foot tracks fastened to the driveway's frame.

Grain is elevated thru a single, steel leg encasing an 11 inch, 6 ply rubber covered belt with 10x6 inch Calumet buckets on 9 inch centers. This belt carried by a 60 inch head pulley, turning on anti-friction roller bearings, and driven by a 15 h.p. totally inclosed motor thru a modern speed reducer and roller chain, elevates 5,000 bus. of grain per hour. Anti-friction bearings in the boot and on the deflector pulley as well as

at the head, contribute a material reduction in power needed.

From the elevator head at the top of the cupola grain is spouted directly into the 500 bushel garner above the 500 bus. hopper of a Howe shipping scale. Below the scale is a special distributor, which reaches all bins, the 10 inch carloading spout, and the 12 inch barge loading spout without the aid of additional spouting.

Special provisions were made for wear in the loading spouts. Several feet below the roof on both the carloading and the barge loading sides of the elevator, at the junctions of the loading spouts with the house spouts, are steel grate platforms, reached by ladders from the roof. This makes it relatively easy for elevator workmen to turn the spouts so as to expose a fresh surface for the falling grain.

The discharge end of the barge loading spout is supported at the dock edge by an independent framework. The loading end swings and telescopes to adjust readily to the loading hatches on barges, and to the rise and fall of the river level. Hardwood piles, driven down to bed rock, stretch for 210 feet along the water's edge to support the dock.

When the elevator is in operation all grain weights thru the hopper scale are recorded by an official weighman in the cupola, who communicates with the driveway by a ticket elevator, carried on a cable. Between the up and down legs is a Howell motorized steel manlift, its counterweight dropping thru a shaft attached to the back leg. Concrete steps lead down to the basement, where steel spouting from the concrete and steel bin bottoms lead into the leg boot, setting in a pit 16 feet below the workfloor. All bins are hopped to the boot.

A spur from the Burlington railroad permits this elevator to ship either by rail or water.

At the 24x26 foot tile, one-story office and basement, a room is fitted with probes, samplers, tester kettles, moisture testers, and other devices for inspecting grain.

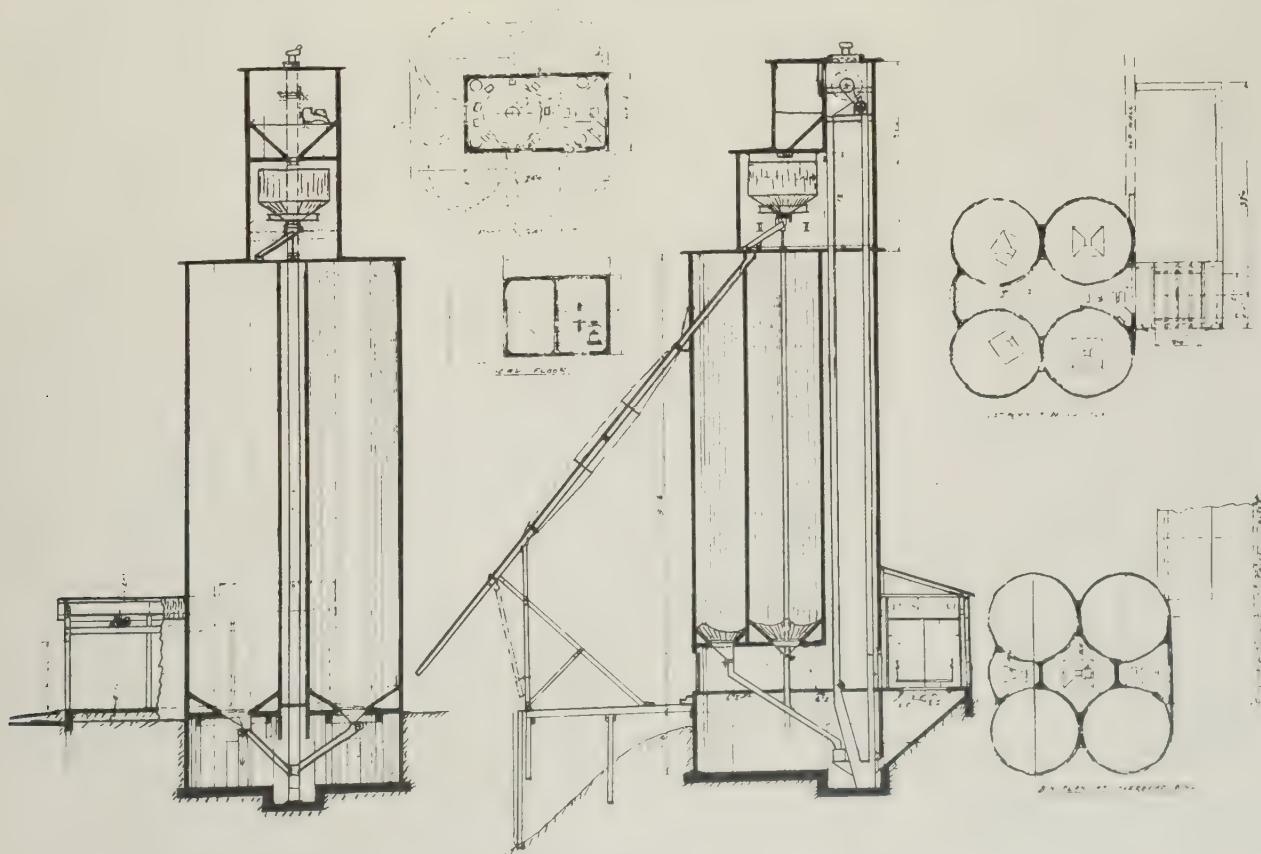
General office work is done in an office and weighing room, where the beam of a large truck scale will be installed later. A customers' room has benches around its walls and communicates with the inspection room and with the private office of the local manager thru small windows. In the private office are telephones and a radio thru which buyers for Norris Grain Co. can keep in active touch with the market and in close contact with the company's Chicago office.

## Chicago Board to Vote on New Grades

The Market Report Com'te of the Chicago Board of Trade has been authorized to quote trades in December corn, oats, rye and barley, thru a resolution adopted by the directors.

Official quotations are being withheld on December wheat pending a ballot vote on adoption of new wheat grades to conform with federal standards. A favorable ballot will eliminate need for trading in "new" and "old" December options.

The new federal regulations, which become effective in October, reduce the amount of shriveled wheat permitted in the No. 2 grade, which is expected to eliminate complaints that have caused filing of a protest with the Board of Trade Directors to the effect that some of the wheat from the Southwest tendered on May contracts in Chicago, contained such a large percentage of shriveled berries that it would bring a substantial discount on the cash market, instead of the  $\frac{1}{2}\text{c}$  over the contract price provided when tendered. The wheat in question graded No. 2, dark hard winter under federal inspection.



Plans of Norris Grain Co.'s Concrete Elevator at Ottawa, Ill.  
[See facing page]



## Crop Reports

Reports on the acreage, condition and yield of grain and field seeds are always welcome.

Bertrand, Neb.—No wheat here.—W. M. Bruce.

Banner, Okla., May 4.—Wheat acreage normal, condition normal, no abandonment. Oats normal.—Carl W. Vogel.

Jetmore, Kan., May 3.—Wheat acreage 110% sown, 75% remaining; condition 78%. Row crops will soon be sown on acreage plowed up.—Laird Grain Co.

Lansing, Ia., May 6.—In this section we now believe the acreage of grains will be same as last year. Weather now good to complete seeding.—G. Kemdt & Bros.

Adair, Ill., May 4.—Oats acreage normal, condition good. Wheat acreage normal, condition not so good. Some wheat land sown to oats.—Farmers Elevator & Produce Co.

Greenfield, Mo., May 4.—Wheat largest acreage in 10 years and looks good. Oats fair crop and looks fair. Corn small crop and will be planted late.—Greenfield Milling Co.

Brimfield, Ind., May 4.—Wheat fair to good. Oat crop will be short, account too much rain. If weather gets better, there will be a large corn acreage. Pastures coming fine.—X.

Agricola, Kan., May 5.—Wheat acreage, 150%; condition, 95; oats acreage, 50%; condition, 80; corn acreage, 60%; condition, 80. Wheat plowed up, 5%; will be replaced with corn.—H. E. Robbins.

Butler, Ind., May 4.—Acreage on wheat about same as last year. Condition 90% of normal. Too wet for oats; very little sown. Will be a large acreage of corn, weather permitting.—Butler Milling Co.

Boonville, Mo., May 3.—Wheat 95% condition, no abandonment; barley the same. Farmers getting late start planting corn on a below normal acreage. Oats late, 60% condition.—Boonville Mills Co.

Galva, Kan., May 4.—Wheat was beginning to show effects of dry weather, but we had a good rain last night, and still raining, so that makes conditions pretty good for the present.—A. L. Flook Grain Co.

Smithfield, Neb., May 4.—Wheat all abandoned here. Some of wheat land put in oats and barley but most will be planted to corn. Subsoil here is very dry; top soil in fair condition.—Smithfield Grain Co.

Houston, O., May 3.—Wheat acreage 120%, compared with last year; about 1% plowed up. Oats acreage, 80%; heavy rains have held up sowing, and those sown are not coming up very well.—Farmers Elevator Co.

Douglas, Kan., May 10.—Increase in wheat acreage 15% over last year. Best prospect in last 10 years. Oats 10% over last year; sowed late but average prospect. Smallest acreage corn in years.—L. D. Brandt.

Keller, Tex., May 4.—The wheat acreage is larger this year than it has been in several years. Oats does not look very good, as we need rain. Not very much barley sowed here. Corn is very, very late.—Bert Owens.

Boggs town, Ind., Apr. 27.—Wheat abandoned, 12%; rest of wheat showing improvement, with cool, damp weather. Plowing of corn only one-third or one-half finished. Oats only 60% seeded, owing to wet weather.—The Red Mills.

Augusta, Kan., May 4.—Small grain looking fairly well. We need a little rain as the high winds have taken considerable of our moisture the last two weeks. Corn planting under way but mostly too cool.—Mannion Feed & Coal Co.

Braman, Okla., May 8.—About 10% more wheat sowed last fall; none plowed up; condition good; looks like 20% better than last year. Very small acreage of corn—practically all in wheat.—General Grain Co., J. L. Seaboch.

Stockton, Kan., May 3.—Our wheat is not perfect but is exceptional for this season of the year—best for several seasons in this county. Probable loss about 5%. Spring crops will be mostly kafirs and feed grains.—O. C. Finch.

Lisco, Neb., May 4.—A large percent of the spring wheat that has been sown has been blown out. Still very dry here. No winter wheat in our territory. Large acreage of corn will be planted if we get rain.—Farmers Elevator Co.

Marland, Okla., May 7.—Acreage of wheat 10% over 1936; condition, 60%. Oat acreage normal, condition 80%. Corn acreage 25% of normal; condition very poor. Very dry condition existing at present time.—Bliss Co-op. Grain Co.

Lexington, Neb., May 3.—Less than 2% winter wheat alive; 80% of this acreage to barley, remainder to corn. Two inches of rain during the past two days makes prospects good. Alfalfa hay prospects good for a big, new crop.—Albert A. Kjar.

Bolivar, Mo., May 7.—Much larger acreage of wheat than last year; good condition. Oats looking good, acreage large as usual. There have been no crops plowed up so far as known, and doubtless there won't be—feed is too scarce.—Akard Milling Co.

Charlestown, Ind., May 5.—Wheat acreage about 125%; condition good, above normal, but having too much rain, causing abundant growth, but afraid will result in weak straw and rust. Corn planting will be late.—Charlestown Milling Co., Inc., by G. E. B.

Hays, Kan., May 3.—Acreage sown to winter wheat, about 3% more than last year. Condition, 85%, with prospects declining until we receive rain. Abandonment small. If we receive moisture, big row crop acreage will be planted.—E. F. Madden.

Decatur, Ind., May 4.—Wheat condition 90%. Only 50% of oats planted; about 10% more will be planted. Oat acreage will go to soybeans. Too wet yet to do farm work. Hay prospects improving. Look for largest soybean acreage we ever had.—Burk Elevator Co.

Hill City, Kan., May 5.—Condition of wheat in Graham County runs about 35%; abandonment about 50%; barley and oats about the same. Crops are suffering and, unless we get rain in the next few days, all crops will probably be a total loss.—F. D. Miles.

Arapaho, Okla., May 1.—Our wheat acreage shows about 20% increase. Prospect to date best in 10 years; but that will depend on more moisture, or we might not have half a crop, as wheat is very rank for this time of year, with but little sub-moisture.—Wm. Black.

Mangum, Okla., May 4.—Greer County here shows up good at present time for wheat; the plant looks good, but a rain now will be very beneficial. Our acreage is extra large this year. Other grain crops look good, and about usual acreage.—Mangum Mill & Elevator Co., by Chas. A. McDonald, mgr.

Astoria, Ill., May 5.—Oats acreage in this community is approximately 30% larger than a year ago, and the crop looks very good. We have a normal wheat crop, with very little that will be plowed up. Wheat, as a whole, is in fine shape, due to recent heavy rains.—M. W. Shaw, mgr., Bader & Co.

Drexel, Mo., May 3.—Acreage of wheat is 150%, compared with last year; the condition is good, and none will be plowed up. Rye condition is fairly good, about 85% of last year; 25% will be plowed up and put to corn, mostly. Barley is doing very well; is about 80% of last year.—Drexel Elevator & Merc. Co.

Mark Center, O., May 3.—Increase in wheat acreage, 20% over 1936; at present writing, wheat shows 80%, as compared to a year ago; about 10% of wheat winter killed. Oat seeding short, account of too much wet weather. Look for increase in soybeans and corn.—Mark Center Elevator Co., by J. W. Baluss.

Summerfield, Tex., Apr. 26.—Wheat acreage same as 1936; condition, 65% of normal; 10% plowed up. Oats and barley acreage, 20% above last year, but 10% less than average for last five years. Kafir, milo and cane will be planted on the abandoned wheat acreage. Needing rain badly, or more will be plowed up.—Lawrence Johnson.

Ewing, Ind., May 5.—Wheat, 80%; 20% abandoned; will be put mostly to soybeans. On account of late spring, very little ground plowed yet; will be a large acreage of corn if able to get it in; but does not look very good now—too much rain. This is not an oats section, and only about 50% of a crop sowed, on account of rain.—Ewing Mill Co.

Albers, Ill., May 4.—Wheat acreage 7% larger than last year; condition fair to good; outlook is for 85% of a crop if we get favorable weather from now on. Too much rain lately. Oats acreage same as last year; condition fair to good; outlook 80% of a crop, all depending on weather, if it does not get too hot after it is heading. No corn planted so far.—Wm. Netemeyer.

Booker, Tex., May 4.—The late wheat is holding out better than the early sown wheat. Three weeks ago we had an estimated yield for this territory of 750,000 bus. Today that estimate has dropped 15%. 25,000 bus sown and present indications are that it will yield a crop sufficient to seed back the land. 5% land total loss. None will be plowed up unless it continues dry.—C. R. Holman.

Chadron, Neb., May 3.—Winter wheat condition, as of May 1, 20% of normal; spring wheat, 80%; oats still planting, very little up yet. Rye condition, 30% of normal. Winter wheat is practically all gone on account of winter killing, and spring wheat very backward on account of excessive cold weather. Surface moisture sufficient for the time being, but sub-soil still dry. Will need considerable rain to insure a crop. Have had dust storms frequently this spring.—Chadron Grain & Coal Co.

Decatur, Ill., May 8.—Condition of winter wheat is now mostly fair to very good; stooling well quite generally; rust reported in Jackson county. In the east-central and central counties many fields still show thin spots. In a few favored localities in the central area where ground is dry enough farmers started planting corn yesterday. This work will be pushed ahead next week as weather and ground conditions will permit. May 10 to 20 is the ideal time to get corn planted. Acreage will be increased.—Baldwin Elevator Co.

Duluth, Minn.—A week of generally favorable weather has given farmers of the Northwest an opportunity of resuming delayed seeding. Temperatures are higher and the warmer weather is drying up the wet soil more rapidly, permitting field operations and indicating improved outlook. Farmers are speeding up their seeding to get their crops in the ground as quickly as possible, because of being behind schedule in some sections. Growers are hopeful that the advantage of a good supply of moisture will more than offset the delay.—F. G. C.

Minneapolis, Minn., May 1.—In the Northwest the week has been cold and rainy. Planting has been retarded in most sections and some acreage that was destined for oats and other earlier grains may now be planted to flax. One large elevator company calculates that the flax acreage will be 10% less than last year's sown acreage. At present a member of the flax development com'te is making a tour of southern Minnesota and reports that on the average the flax acreage will be slightly under last year's unless conditions change rapidly in the meantime.—Archer-Daniels-Midland Co.

Minneapolis, Minn., May 8.—Clearing skies and slightly higher temperatures in the Northwest have enabled farmers to get at their planting intensively, and so far conditions have been quite satisfactory as April rains have put the surface in good shape. Acreage reports from northwestern Minnesota and eastern North Dakota are discouraging as far as acreage may be close to last year's. The seed flax situation is difficult as there is quite a scarcity of good flax. The 1936 variety very often shows too low a germination test for flaxseed is concerned, but southern Minnesota safe planting.—Archer-Daniels-Midland Co.

Springfield, Ill., May 5.—The soil is mostly very wet and field work during the week was most difficult to impossible; the season is generally from one to three weeks behind, the latter period applying mostly to the northern division. The wetness promoted growth of winter grains, meadows and pastures. The condition of winter wheat is now mostly average to good; a few report jointing in the south and the crop is stooling quite well generally; however, height in the northern division is mostly 2 to 6 inches, in the central 3 to 8 inches, and in the southern 8 to 12 inches. Rust is reported from Jackson county. Considerable oats are yet unsown in the northern division and in an effort to plant the crop sowing in the mud has been resorted to; elsewhere oats are largely up. Very little corn has been planted in the extreme south and preparation of the ground for corn has been delayed along with other work.—E. W. Holcomb, U. S. Dept. of Ag.



Harvard, Ill., Apr. 28.—Grain planting in this locality is very late, due to continued rain, with the majority of the planting to be done. Favorable weather during the next week would find most of the planting completed, which would be at least three weeks behind average. This year is being compared to 1901, when very little ground was stirred before the advent of May. The ground is now so well saturated that most of the rainfall seems to run off, rather than soak in. What seed is going into the ground now finds the seedbed in poor condition to receive it. Alfalfa around here suffered heavily from winter-kill, as did other hay crops in a lesser degree. However, three consecutive days of warm weather would find cattle being turned out to pasture, as the grass is coming well.—Herrick Feed Co., by Robert L. Herrick.

Winchester, Ind., May 1.—We never saw ground break any nicer than it has this spring, which is no doubt due to the very open winter we had with sharp freezing and thawing which caused considerable damage to alfalfa and wheat. The recent rains and warm weather have made wheat stool and now looks as tho the poorest field would produce some wheat. Wheat sowed early without paying attention to Washington is good as a general rule. It is silly to think some beauracrat down at Washington can tell a farmer in eastern Indiana when he should sow wheat. A good farmer pays no attention to them as he knows his own soil better than any college professor. Farmers, including the man on my farm, who delayed their wheat planting because they happened to be on the government payroll, and felt they should follow the dictates of Washington, will not have more than half a wheat crop.—Goodrich Bros. Co., by P. E. Goodrich.

Winchester, Ind., May 8.—Some farmers are working in the fields this morning, but the ground is really too wet and we think they better stay out until Monday. There is plenty of time yet to plant corn. There was an unusual number of tractors sold last year and farmers can get their ground in good shape on very short notice. Talked to one farmer yesterday who was turning over an acre an hour. He started to plough about four o'clock yesterday, said the ground was in good shape and he was going to run the plough all night and by the middle of this forenoon he would have twenty acres of fresh ploughed corn land. Said he intended to plant corn by the very first of next week if the weather was right. Corn acreage will be the largest Indiana has had in a number of years, likewise soybeans. Good seed beans are getting scarce. There will be several times as much hybrid corn planted in Indiana this year as there ever has been.—Goodrich Bros. Co., P. E. Goodrich, pres.

Ft. Worth, Tex., May 7.—The wheat and oat crops in Texas have deteriorated materially the last two weeks. Advices reaching us are that the North Plains section is suffering very badly. There are a few spots on the South Plains that are still doing well, but the territory north and west of Amarillo is now considered hopeless. The territory west of Ft. Worth to the cap-rock is still in good shape, but even that is needing rain. The southern part of this section is particularly bad. It looks as tho our Texas oats are going back fast. Advices received from south Texas are that new kafir and hegari crop will be very much less than last year on account of excessively dry weather. The Texas corn crop is almost certain to be much less than last year because of cold weather at planting time. The freeze got most of the corn and it had to be replanted, with the result it is late and tasseling time will very likely coincide with the hot, dry midsummer winds. A few points in the state, about 200 miles west of Ft. Worth, and a few points on the New Mexico border and South Plains, are still in very good shape.—Transit Grain & Commission Co.

Minneapolis, Minn., May 7.—The northwest spring wheat states moisture situation is greatly improved due to a heavy wet snow that fell Apr. 24 over a large share of the territory, followed in most sections by several days of light rains and cloudy weather. Much more rain will be necessary during the growing period as subsoil moisture is not sufficient to carry the crop very long. Wet, muddy fields delayed seeding operations, which will reduce the intended acreage of spring wheat, especially in the northern sections of the Red River Valley in Minnesota and North Dakota. This will increase the acreage of oats and barley, also flax and corn. Minnesota, as a whole, has been blessed with ideal weather and growing conditions, being well supplied with both surface and subsoil moisture. Nebraska, western Kansas and the Panhandle of Texas and Oklahoma are still in the drouth area and the wheat crop has deteriorated somewhat during the past two weeks; lack of moisture, winds and high temperatures are causing considerable damage in this section. The crop in the Northwest Pacific States is developing rapidly, but the abandonment has been rather heavy; this acreage, however, has been resown to spring wheat.—T. R. Shaw, editor Cargill Crop Bulletin.

Lafayette, Ind.—Dr. C. T. Gregory, Purdue University plant pathologist, is carrying on a study of wheat mosaic, which has appeared sporadically in Indiana wheat fields and is fairly wide spread over the state.

## Government Crop Report

Washington, D. C., May 11.—The U. S. Dept. of Agriculture reports the May 1 condition of winter wheat as 77.4%, against 67% in 1936. Of 57,187,000 acres sown 47,410,000 are left for harvest, the expected production being 654,295,000 bus., against 519,013,000 harvested a year ago, and a 1928-32 average of 623,220,000 bus.

Rye condition May 1, 78.4%, 74.3 a year ago. Acreage sown, 7,673,000; remaining for harvest, 4,092,000. Indicated production, 42,913,000 bus., against 25,554,000 harvested in 1936, and 58,597,000 in 1935.

Condition of tame hay May 1 was 73%, against 78.5 in 1936; and of pastures 69.3, against 68.6% on May 1, 1936.

## Murray's Estimate of W. Wheat Crop

Of the 57,187,000 acres sown to winter wheat, it is now estimated that 9,157,000 acres, or 16.0 per cent will not be harvested, leaving for harvest 48,030,000 acres, which compares with 37,608,000 harvested last year. Heaviest abandonment is reported from Nebraska, western Kansas, the pan handle section of Oklahoma and Texas, Montana and Washington. Last year 24.3% of the planted acreage was abandoned, the average abandonment in the previous ten years was 16.7 per cent.

The condition of the winter wheat May 1 was 75.6 per cent of normal, as compared with 67.0 per cent a year ago, and the average for the preceding ten years of 78.3 per cent.

Present acreage and condition estimates suggest a crop of 673 million bushels, assuming average influences in the future.—Nat. C. Murray, statistician, Clement, Curtis & Co.

## Cromwell's Report on Wheat

The condition of winter wheat is estimated at 74.0 per cent of normal compared with 73.8 per cent on April 1, the 1923-32 May average of 81.2 per cent, 67.0 per cent on May 1, 1936, and 75.3 per cent May 1, 1935.

Estimated probable abandonment of winter wheat acreage is 16.4 per cent of the acreage planted compared with the 1923-32 average of 12.6 per cent and 24.3 per cent in 1936. Acreage for harvest is 47,792,000 compared with the 1928-32 average of 39,701,000 and 37,608,000 in 1936. The additional acreage to be harvested this year on current conditions provides for a production about 125,000,000 bus. greater than the May 1936 forecast of 464,000,000 bus. Our May 1, 1937, estimate allows 60,000,000 additional for a better condition of the acreage. A larger acreage than 41,000,000 has been harvested 6 times in past history. Only in one year has harvested acreage exceeded the current estimate of 47,792,000. In 1919 the area harvested was 50,404,000.

The estimated, probable production of winter wheat on the basis of above condition and abandonment is 647,028,000 bushels.

Fairly regular but light spring rains have reduced soil blowing in the Southwest below recent years and kept the plants stooling excessively. About sixty per cent of the remaining acreage in these states has insufficient moisture to allow the plants to head properly let alone to fill them. East of the Missouri River and in the Pacific Northwest progress of the crop is splendid but growth and stooling is below normal.—R. O. Cromwell, statistician, Lamson Bros. & Co.

Washington, D. C.—The Agricultural Adjustment Administration bought 8,345,000 dozens (278,188 cases) of eggs in 20 states in its surplus commodity removal program to hold up winter egg prices.

The Corn Industries Research foundation reports that foreign starches imported duty-free, are threatening the position of starches derived from American corn. Tropical starches are being imported in the heaviest volume in history. Imports of tapioca and sago starches amounted to 77 per cent of domestic corn starch sales in the first three months of 1937. Production of starches by the American corn refining industry for the quarter was 180,791,074 pounds as compared with imports of competitive foreign starches totaling 139,371,992 pounds.

## Daily Closing Prices

The daily closing prices for wheat, corn, oats, rye, barley and soybeans for July delivery at the following markets for the past 2 weeks have been as follows:

Wheat													
	Option	Apr.	Apr.	Apr.	May	May	May	May	May	May	May	May	May
	High	Low	28	29	30	1	3	4	5	6	7	8	11
Chicago	130 3/4	96 1/2	117 1/4	116	119 3/4	119 3/4	118 3/4	117 3/4	119 1/2	118 3/4	117 3/4	116 1/2	115 1/2
Winnipeg	147	103 3/4	127	126 1/2	129 1/2	130 1/2	128 1/2	128 1/2	131 3/4	131	129 1/2	127 3/4	126
Liverpool*	155 1/2	129	130 3/4	134 1/4	134 3/4	136 3/4	136 3/4	138	139	140 1/2	139 1/2	137 3/4	137 3/4
Kansas City	126 1/2	93 1/4	113 1/2	112 1/4	115 3/4	116 3/4	114 1/4	113 3/4	115	114 3/4	113 1/2	112 3/4	112 1/2
Minneapolis	143 1/2	115	128	127 1/4	129 1/4	130	128 3/4	127 1/4	128 1/2	128 3/4	126 3/4	126 1/2	125 3/4
Duluth	150 3/4	119 1/4	120 3/4	121 3/4	122 1/4	124 1/2	123 1/4	122 3/4	122 3/4	123 3/4	123 3/4	121 1/2	119 3/4
Milwaukee	130 3/4	97	117 1/4	116 3/4	119 3/4	120	118 3/4	118	119 3/4	118 3/4	117 1/4	117	115 1/4
Corn													
Chicago	125	86 1/2	118 1/2	117 3/4	119	117 3/4	117 3/4	118 3/4	119 1/4	120 1/2	119 3/4	118	115 3/4
Kansas City	127 3/4	102 3/4	123 1/2	123 1/4	124 1/2	123 1/4	122 1/2	122 3/4	123 3/4	124 3/4	123 3/4	122 1/2	120 3/4
Milwaukee	124 1/4	85 3/4	118	117 3/4	119	117 3/4	117 1/2	118 3/4	119 1/4	120 3/4	119 3/4	118	115 3/4
Oats													
Chicago	50 1/4	37 3/4	44 1/2	44 1/4	45	45 1/2	44 3/4	44 3/4	44 3/4	45	44	43 3/4	43 1/2
Winnipeg	60 3/4	43 3/4	52 3/4	51 1/2	52 1/2	52 1/2	52	52 1/4	52 1/2	52 3/4	52 3/4	51 3/4	51 3/4
Minneapolis	48 3/4	40	43	43 3/4	43 3/4	43 1/4	42 1/4	42 3/4	42 3/4	42 3/4	42	41 1/4	41
Milwaukee	50 1/4	37 3/4	44 1/4	44 1/4	45	45 1/2	44 3/4	44 3/4	44 3/4	44 3/4	44	43 3/4	43 1/4
Rye													
Chicago	112	71	102	101 1/4	104 3/4	104 3/4	102 1/4	101 1/2	102 3/4	103 3/4	102 3/4	103 3/4	99 3/4
Minneapolis	108 1/4	91 3/4	97 3/4	98 3/4	99 3/4	99 3/4	97 3/4	97 3/4	97 3/4	99 3/4	97 3/4	98 3/4	94 3/4
Winnipeg	118 3/4	78 1/4	107 1/2	107 1/2	109 3/4	109	108 1/4	109 3/4	109 3/4	110 3/4	108 3/4	111	107 3/4
Duluth	110 3/4	93 3/4	98	98	98	100	98	98	98	98	97	98	95
Barley													
Minneapolis	71 3/4	61 3/4	65 3/4	66 1/4	67 3/4	68 1/4	66 3/4	65 3/4	66 3/4	66 1/4	64 1/2	64 3/4	62 3/4
Winnipeg	82 1/4	56 3/4	65 3/4	69 3/4	65 3/4	65 1/4	66 3/4	67 3/4	68 3/4	69 1/4	67 3/4	67 3/4	64 3/4
Soybeans													
Chicago	177	132	170 1/2	170 3/4	171 1/4	172 1/4	172	172 3/4	173 3/4	174 1/2	175	175 3/4	177

\*At daily current rate of exchange.



## Grain Movement

Reports on the movement of grain from farm to country elevator and movement from interior points are always welcome.

Brimfield, Ind., May 4.—Very little grain remains on farms.—X.

Marland, Okla., May 7.—No grain in farmers' bins.—Bliss Co-op. Grain Co.

Stockton, Kan., May 3.—Very little grain in farmers' hands.—O. C. Finch.

Hays, Kan., May 3.—Very little old crop wheat in farmers' hands.—E. F. Madden.

Jetmore, Kan., May 3.—Practically no grain remains in farmers' hands.—Laird Grain Co.

Greenfield, Mo., May 4.—No grain in farmers' hands at present time.—Greenfield Milling Co.

Butler, Ind., May 4.—Very little wheat, corn or oats in farmers' hands.—Butler Milling Co.

Adair, Ill., May 4.—Practically no grain in farmers' hands.—Farmers Elevator & Produce Co.

Banner, Okla., May 4.—Grain in farmers' hands, none except for feeding.—Carl W. Vogel.

Braman, Okla., May 8.—Very little wheat in farmers' hands, no corn.—General Grain Co., J. L. Seaboch.

Houston, O., May 3.—Very little of any grains held by farmers, except for feeding purposes.—Farmers Elevator Co.

Smithfield, Neb., May 4.—Practically no grain in farmers' hands here. Most farmers are buying grain.—Smithfield Grain Co.

Albers, Ill., May 4.—Very little wheat left in farmers' hands. Farmers are buying corn and oats for feeding.—Wm. Netemeyer.

Bolivar, Mo., May 7.—There is very little grain of any kind remaining in farmers' hands in this section.—Akard Milling Co.

Lexington, Neb., May 3.—Very small amount of old wheat in farmers' hands. Shipping in barley, oats and corn.—Albert A. Kjar.

Lansing, Ia., May 6.—Farmers have no surplus grain, only what is required until the new crop. Many have to buy.—G. Kemdt & Bros.

Pullman, Wash.—The Pacific Northwest is expected to have the lowest carryover of wheat in recent years. A crop of 46,000,000 bus. was harvested in Washington in 1936.—F. K. H.

Mark Center, O., May 3.—Very little grain in farmers' hands. High prices have cleaned up most large lots. Not over 10% of 1936 crop now in farmers' hands.—Mark Center Elevator Co., by J. W. Balus.

Duluth, Minn.—A large movement was reported passing thru St. Mary's Canal since the opening in April to the close of the month. East bound flour tonnage was reported at 266,650 barrels, wheat 7,561,727 bus., other grains, 2,514,367 bus.—F. G. C.

Astoria, Ill., May 5.—Old supply of corn, oats and wheat is about gone and feed is very short.

but grass is coming out good and farmers are turning out, waiting till harvest to fatten their livestock. Have had a wonderful feed business, running 400% over a year ago.—M. W. Shaw, mgr. Bader & Co.

Portland, Ore.—Columbia River cereal shipments during the past month included 157,333 bus. of wheat and 67,093 barrels of flour dispatched to California, 1,428,274 bus. of wheat and 110,391 barrels of flour to Atlantic and Gulf ports, 11,128 barrels of flour to the Philippines, 1,337 barrels to Europe, 260 barrels to Hawaii, 150 barrels to China, 2,960 barrels to Central America and 3,801 barrels to the West Indies.—F. K. H.

Indianapolis, Ind.—March receipts of grain were: Wheat 122,000 bus., corn 838,000, oats 276,000, rye 72,000, soybeans 15,400, compared with wheat 106,000 bus., corn 3,022,500, oats 742,000, rye 139,500, soybeans 36,400 in March, 1936. Shipments during the same time were: Wheat 123,000 bus., corn 777,000, oats 658,000, rye 100,500, soybeans 16,800, compared with wheat 157,000 bus., corn 1,635,000, oats 662,000, rye 114,000, soybeans 4,000 in March, 1936.—W. H. Howard, sec'y Board of Trade.

Ottawa, Ont., May 6.—Canadian wheat in the United States amounted to 10,295,520 bus. a decrease of 1,018,113 bus. from the previous week when 11,313,633 bus. were reported. Canadian wheat is located at the following ports: Duluth, 1,533,520; Erie, 100,000; Erie Canal, 286,000; Buffalo, 2,033,000; Chicago, 52,000; New York, 4,241,000, and Albany, 2,050,000 bus. The wheat stocks in the elevators in Canada for the week ending Apr. 30, amounted to 61,932,811 bus., compared with 64,358,866 bus. for the previous week and 187,528,270 bus. for the corresponding date last year. Stocks of wheat in Canadian elevators are located as follows: Country elevators, 14,640,000; interior terminals, 4,057,217; Vancouver-New Westminster, 6,131,694; Prince Rupert, 910,994; Churchill, 614,569; Head-of-the-Lakes, 11,559,734; eastern elevators, lake and seaboard ports, 9,054,009 and 3,714,518 bus., respectively.—R. H. Coats, Dominion Statistician.

Guymon, Okla., citizens have appealed to President Roosevelt to declare martial law in the dust bowl area to enforce planting of seed with listers to keep the soil from blowing.

## Rye Movement in April

Receipts and shipments of rye at the various markets during April, compared with April, 1936, in bushels, were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	56,428	289,268	.....	.....
Boston	1,100	1,100	.....	.....
Chicago	281,000	193,000	407,000	531,000
Duluth	221,610	300,357	170,758	110
Ft. William	154,125	61,709	271,777	100
Indianapolis	88,500	90,000	73,500	141,000
Kansas City	7,500	7,500	16,500	.....
Milwaukee	83,485	19,810	60,240	28,865
Minneapolis	345,660	384,570	583,470	487,160
New Orleans	1,500	1,969	.....	1,500
New York	1,700	.....	.....	.....
Omaha	35,000	58,800	45,275	82,600
Peoria	182,400	183,600	16,800	63,600
Philadelphia	4,607	1,058	.....	.....
St. Joseph	.....	.....	1,500	1,500
Superior	186,374	222,617	157,575	.....
Toledo	18,200	28,800	44,220	11,330

## Corn Movement in April

Receipts and shipments of corn at the various markets during April, compared with April, 1936, in bushels, were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	225,940	74,606	.....	.....
Boston	752,175	400	.....	.....
Chicago	2,058,000	4,383,000	1,520,000	1,436,000
Duluth	.....	4,405	4,414	12,778
Ft. William	.....	.....	*5,512	.....
Ft. Worth	49,500	58,500	214,500	33,000
Hutchinson	4,500	.....	.....	.....
Indianapolis	687,000	1,737,000	784,500	1,618,000
Kansas City	799,500	2,256,000	172,500	1,198,500
Milwaukee	179,800	578,150	149,500	110,500
Minneapolis	360,840	730,800	368,900	405,380
New Orleans	1,099,156	57,034	883,500	51,000
New York	276,000	33,500	.....	.....
Omaha	456,992	1,988,000	316,854	1,304,701
Peoria	1,483,800	2,054,400	479,800	913,600
Philadelphia	221,211	75,610	.....	.....
St. Joseph	127,500	778,500	46,500	469,500
San Francisco	2,857	2,857	.....	.....
Superior	1,071	5,283	.....	9,778
Toledo	103,600	281,250	61,865	249,320
Wichita	7,800	31,200	.....	3,900

\*Argentine.

Washington, D. C.—The Department of Agriculture appropriation bill for the fiscal year, 1938, carries a total of \$624,305,883, an increase of \$12,033,277 over funds available for the current year, but \$105,078,407 less than budget estimates. It was reported to the House on Apr. 20, by the com'te on appropriations.

Washington, D. C.—Sec'y of Agriculture Henry A. Wallace said on May 5 that commodity loans on farm stored corn may not be offered this fall, depending upon the size of the corn crop and on "how well we have the ever-normal granary program worked out." He made it obvious, however, that any new loans would be limited to those farmers who cooperate in the AAA program, in other words farmers who extend their necks for a Wallace brass collar can borrow all the cash they want.

## Commercial Stocks of Wheat

The world commercial stocks of wheat on April 1 for the past three years, shown separately and for the previous fifteen years, in three five-year averages, were as follows, in millions and tenth of millions of bushels:

	U.S.	Can.	Arg.	Aust.	U.K.	Afloat	Tot'l
1937	68.5	77.6	16.5	55.5	12.8	57.2	293.4
1936	89.4	196.0	8.8	40.5	8.5	37.0	382.9
1935	98.6	223.9	16.9	66.0	12.1	29.1	451.8
1930-4...	222.5	197.9	13.3	77.3	13.2	46.0	575.1
1925-9...	112.5	122.0	12.0	47.1	8.0	69.0	370.7
1920-4...	86.3	67.2	7.1	58.4	10.4	60.5	289.9

## Imports of Corn

Imports of corn into the United States, principally from Argentina, have been as follows, in bushels for the month and calendar year, as reported by the Department of Commerce:

	Monthly Imports, 1936	Annual Imports
January	1,868,798	1936...31,470,923
February	583,372	1935...43,233,000
March	1,185,512	1934...2,959,000
April	1,052,400	1933...161,000
May	937,760	1932...313,000
June	34,473	1931...649,000
July	1,300,996	1930...1,542,000
August	1,549,035	1929...406,000
September	4,163,566	1928...565,000
October	8,122,228	1927...5,458,000
November	6,263,178	1926...1,055,000
December	4,429,605	1925...1,086,000
1937—	.....	1924...4,107,000
January	5,409,000	1923...203,000
February	8,653,091	1922...113,000

## Barley Movement in April

Receipts and shipments of barley at the various markets during April, compared with April, 1936, in bushels, were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	2,119	13,873	.....	.....
Chicago	1,518,000	1,039,000	376,000	241,000
Duluth	867,151	307,011	936,154	139,230
Ft. William	485,943	602,091	1,314,406	31,581
Ft. Worth	3,200	4,800	.....	.....
Kansas City	124,800	97,600	43,200	41,600
Milwaukee	739,600	1,642,600	827,450	785,573
Minneapolis	1,217,710	2,878,150	2,235,640	2,299,030
New York	68,000	1,700	78,000	.....
Omaha	97,600	155,200	90,187	272,948
Peoria	281,400	334,600	173,200	163,800
Philadelphia	2,919	4,632	.....	.....
St. Joseph	15,750	24,500	5,250	31,500
San Francisco	350,000	344,958	.....	.....
Superior	350,140	130,952	700,393	78,876
Toledo	69,365	14,400	45,700	1,395

## Oats Movement in April

Receipts and shipments of oats at the various markets during April, compared with April, 1936, in bushels, were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	89,929	34,065	.....	.....
Boston	4,100	49,169	.....	.....
Chicago	1,389,000	1,448,000	1,842,000	1,236,000
Duluth	12,076	230,137	884,033	78,807
Ft. William	368,301	554,055	1,230,603	136,976
Ft. Worth	70,000	22,000	58,000	64,000
Indianapolis	606,000	298,000	702,000	354,000
Kansas City	206,000	278,000	340,000	364,000
Milwaukee	4,520	67,800	32,300	193,800
Minneapolis	287,700	1,156,000	3,048,670	1,499,800
New Orleans	6,000	26,174	10,421	21,941
New York	108,900	60,200	.....	.....
Omaha	704,000	264,000	893,939	498,685
Peoria	258,000	202,000	212,000	208,000
Philadelphia	32,400	57,657	.....	.....
St. Joseph	92,000	306,000	30,000	358,000
San Francisco	32,500	13,125	.....	.....
Superior	18,119	57,423	331,596	79,823
Toledo	455,700	344,400	327,615	212,970
Wichita	.....	.....	3,000	.....

## Wheat Movement in April

Receipts and shipments of wheat at the various markets during April, compared with April, 1936, in bushels, were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	183,602	8,051	.....	.....
Boston	109,622	.....	22,698	.....
Chicago	1,358,000	349,000	1,925,000	1,350,000
Duluth	1,556,204	706,198	1,103,768	746,242
Ft. William	8,630,561	9,417,477	8,254,208	30,404
Ft. Worth	128,800	49,000	243,600	257,600
Hutchinson	473,200	420,000	.....	.....
Indianapolis	108,000	68,000	104,000	217,000
Kansas City	2,100,800	1,856,000	2,621,375	1,323,990
Milwaukee	13,860	4,620	7,000	67,200
Minneapolis	1,725,290	2,900,260	1,297,540	2,197,460
New Orleans	93,642	1,400	68,336	2,800
New York	1,717,726	891,598	2,691,000	2,095,000
Omaha	408,000	328,587	552,901	532,000
Peoria	100,800	108,600	117,600	85,200
Philadelphia	3,107	10,391	.....	307,569
St. Joseph	96,000	108,800	192,000	148,800
San Francisco	321,666	28,666	.....	.....
Superior	1,339,211	795,374	882,497	153,216
Toledo	282,025	277,200	287,240	316,965
Wichita	576,000	198,000	370,500	420,000



# Itinerant Truckers Condemned by Illinois Grain Dealers

The leading problem discussed by the 44th annual convention of the Illinois Grain Dealers Ass'n, held in Decatur, Monday and Tuesday, May 10-11, was the trouble created by the itinerant grain peddler and his methods of gyping the country grain dealer and the farmers.

Registration of delegates began early Monday morning, with J. T. Peterson and J. D. Stevens of the Grain Dealers Mutual Fire Insurance Co., pinning to the coat lapel of each delegate, an attractive identification badge supplied by the company.

## Monday Morning Session

PRES. CHARLES J. POTTER, La Rose, presided at the opening session Monday morning.

REV. F. E. COOPER, pastor, First Baptist Church, pronounced invocation.

HON. CHARLES E. LEE, Decatur's mayor, symbolically presented to the delegates the key to the city in a warm welcome.

PRES. POTTER gave his annual address, reviewing economic conditions affecting the country grain industry. He said:

### Pres. Potter's Address

It would appear that the elements, the vicissitudes of supply and demand have again conspired against the grain trade. Yet most of us convey the impression that we are still in business and living in hope for a better time much like the western farmer who always expects next year to be the best ever. This spirit is an integral part of the American system which has survived in spite of the ever growing paternalism of government. We trust this spirit may continue to survive in spite of the odds being placed in its path. The last year has brought several new features to the grain trade.

The state warehouse law has become effective to the satisfaction of a majority. Some of the trade has been slightly handicapped by this law but it may be possible to remedy such conditions. On the whole, I believe country elevator operators appreciate the removal of uncontrolled, haphazard storage of farmers grain.

Many of our elected protectors believe that in order to save society from itself, legislation must be enacted to do for social and economic units what these units fail to do for themselves. How many in the grain trade recognizes that we are perhaps our own worst enemies? In times of serious economic stress we have cooperated with the farmer, handling his products at minimum cost. Surely we recognized the necessity of economy in a period of 25c wheat, 15c corn and 10c oats. Coincident, however, with these prices we had a volume of business that made operation possible.

Today the same buying margin prevails for high priced commodities as for the low priced commodities of a few years ago. Simultaneously we have a greatly diminished volume of business. Cost of operation has increased beyond our conception.

People say it is contrary to present public policy that any one unit of the economic struc-

ture should be the victim of an unequitable situation. If this theory is true in application to the farmer, the laborer and to some industries, why is it not just and fair that an industry such as ours be given at least the opportunity to work out our problems.

However, why should an agency of government interest itself in our welfare when we convey the impression that we wish to destroy ourselves by competition that compels a survivor to resort to speculation, and unsound trade practices for existence. If we analyze the costs and the profits of the country grain trade and eliminate the profits of speculation, hedging and side lines, how many of the Illinois elevators would show a profit?

Living Margins: Each and every one of us would like a fair return from our investment, but how many are willing to assume responsibility to gain such an objective? It is easy to blame a competitor for chaotic local conditions but hard to indict ourselves for a share of the cause of such conditions.

I wish that I had the eloquence to convey to our members and our competitors the necessity for operation of the grain business along lines that will stabilize conditions and make our business profitable without assuming hazards that demoralize good ethics. It has been often said that no other trade functions as efficiently and at so low cost as the distributors of grain. How long can this remain true if we continue trying to wreck our structure. We should conduct our businesses so that the producer can benefit from efficient service without the danger of financial loss and an unstable market.

It is unfortunate that many who do not belong to an ass'n resist efforts for the common good. Perhaps by our mutual efforts non-members may be encouraged to assist in improving the country grain business.

SECY W. E. CULBERTSON, Delavan, gave his annual field report as follows:

### Secretary Culbertson's Report

In presenting my 19th Annual Report it is pleasing that I am able, in spite of Illinois experiencing the worst drought in its history and many elevators handling but a small per cent of the normal volume, to state that our Association has suffered no loss in its membership. We have exactly the same number of members as a year ago. This is not anything to brag about but it proves that under adverse conditions we have maintained our trade organization, and it is my sincere belief that with the return of normal crops our membership will increase and the Association become a stronger and more efficient organization.

Every country elevator operator should give his trade Association his unqualified support and get actively behind it for it is his only insurance that his business will be protected. It is a lamentable fact that only slightly more than fifty per cent of the elevators in Illinois support their trade organization, but this condition will not change until our members put forth a greater effort than they have in the past to get their competitors to become members. I hope that this effort will be made this coming year for there has never been a time when the need for organization was greater than the present. It is only a question of time until Congress will create another N. R. A. and once again the wages and hours of our employees will be regulated.

The day of rugged individualism has passed. The Government pays little or no attention to the individual. It will listen and give consideration to the individual's trade organization but only if that organization can prove that it truly represents the industry by having more than fifty per cent of the industry as members of the organization. The country elevator, under the N. R. A., outlawed by the Supreme Court, received the most favorable hour and wage provision of any industry, and that was because of organization. Today we lack organization and unless we do strengthen our present organization we cannot expect again to meet with the same success.

A Real Menace: Besides maintaining the membership your Secretary has devoted a lot of time to the itinerant trucker problem, for this itinerant merchant is a real menace to the country elevator. Already many elevators practically have been put out of business by this competition and more will be unless some restrictions are placed upon it. There is no reason why this competition should not bear some of the burdens that the elevator operator bears. Truckers should not be allowed to break down the ethics of our business and bring the country grain buying business into disrepute. Even tho there are elevator operators who are inclined to think that because truckers have paid more than could be obtained in the terminals and have apparently dealt fairly with them, that these truckers are the answer to their prayers for greater profits.

We have had introduced before our General Assembly a measure to define, regulate, and tax the business of these itinerant merchants and to require them to obtain and carry motor vehicle liability and property damage insurance and to give an integrity bond for the purpose of protecting the public against fraud, conditioned upon the delivery of honest weights and grades, the actual payment of checks, drafts, or other securities, delivered by such itinerant merchant in exchange for the commodities handled by him; also a bond conditioned to pay taxes due to the State or County.

H. R. 237. This measure was introduced in the lower house of the General Assembly by two fellow grain dealers, Messrs. Breen and Peters. That there is urgent need for the enactment of this legislation is evidenced by the fact that just recently a gang of these truckers were arrested here in Illinois and on examination their trucks were found to be equipped with mechanical devices which made it possible to manipulate the trucks so as to make marked differences in the weights of the load. Of course not all truckers are dishonest, but too many of the dishonest class are preying on the unsuspecting grain dealer.

The office of the Secretary has been compelled to handle an unusually heavy correspondence, mainly because of the recent enactment of our new Warehouse Law whereby all elevators doing a storage business are required to secure a license, and in connection with this permit me to state that the last report from the Illinois Commerce Commission shows less than 5 per cent of the country elevators have made application for license, while practically all the balance have advised the Commission that they either are not, or will not, store, and so will not make application for license. It should be borne in mind that license is only required if the elevator stores grain for others. No license is required where the elevator stores its own grain exclusively.

Bulletins have been issued advising our members on matters of any importance and interest to them; compiled and published an up-to-date Directory of the Grain Trade of the State, for which we were able to secure more advertising than any year since 1931, thus making a profit after the cost of printing and mailing was deducted. This Directory lists every country elevator in the State whether a member of



Some of the ladies who attended the Ladies' Luncheon at the Sunnyside Country Club during the Illinois Grain Dealers Ass'n Convention, Decatur.



our Association or not, and is the only complete Directory of the Illinois Grain Trade.

In addition to the activities referred to I have attended a goodly number of local meetings and made many personal calls upon our members, and in every way put forth my best efforts to be of service to our members. Your Association has been able to live within its income, as you will note from the following statement:

#### Receipts

Bal. on hand May 1, 1936 .....	\$ 538.03
Membership dues .....	\$3,360.00
Directory advertising .....	1,293.00 4,653.00
Total .....	\$5,191.03

#### Expenditures

Postage .....	\$ 142.16
Annual Convention .....	65.90
Telephone, telegraph and express .....	56.38
Officer's expense .....	9.00
Office supplies .....	34.43
Secretary's expense .....	446.62
Printing Directory .....	423.06
Dues to National Association .....	140.00
Dues to Chamber of Commerce of the U. S. ....	15.00
Stenographer's salary .....	900.00
Secretary's salary .....	2,400.00
Social Security tax .....	11.00 4,643.55

Bal. on hand May 1, 1937..... \$ 547.48

TREAS. FRED E. VERRY, Armington, reported the financial affairs of the ass'n in good order. His report was approved and adopted.

Adjourned to 1:30 p. m.

## Monday Afternoon Session

PRES. POTTER presided at the second session.

S. W. WILDER, Cedar Rapids, Ia., pres. of the Grain & Feed Dealers National Ass'n, gave a brief address, calling to the attention of the delegates the importance of united effort to solve the problems of the trade, and to protect the grain industry from the impositions of unfavorable legislation. He said:

It is a real pleasure to come before you today as president of the Grain and Feed Dealers National Ass'n. and to offer our greetings to one of the oldest of our affiliated state associations. Needless to say, we have been encouraged in our national work by the loyal backing and valuable counsel of this state group.

In the National Association, we are now working out a reorganization which we feel sure will result in more desirable national accomplishments. During this period of reorganization, we are going to call upon you frequently for counsel, and we know that you will continue your affiliation with benefit to both of us. Officers of this state association have been prominent in our national affairs; A. C. Koch of Breese and John Murphy of Chicago are directors in the national association; George Booth of Chicago is chairman of our national legislative committee; E. B. Evans of Decatur is a very constructive and active member of our national trade rules committee; T. E. Hamman of Arcola is a member of our national committee on crop reports; R. C. Baldwin of Bloomington is on the national committee for uniform grades with Mr. M. L. Vehon of Chicago. The chairman of that national committee, Mr. Lew Hill of Indianapolis, is here today. The Grain and Feed Dealers National Ass'n is proud of its membership of 286 in Illinois; 76 of these being direct members, and 210 affiliated members.

The grain trade of the United States is today facing the test of survival. Only last week in a national weekly magazine, a prominent writer stated that the present plans of the U. S. Government contemplate the eventual wiping out of the so-called private grain trade. If control of the nation's food production is to be sought for political reasons, as some say it is, then it is necessary that there should be political control of the marketing machinery. Whenever this political control comes to our trade, the much boasted efficiency of grain distribution will be gone, and we shall become dependent for a market upon the whims of a misguided bureaucracy.

But I would not be too pessimistic. I agree with a national radio commentator who, a week or so ago, said that society has reached one of its vibration points. Even the best constructed automobile, you know, will at some certain speed set up a vibration throughout the whole machine. That does not mean that the machine is faulty, or that anything is really wrong, but that machines, like men, have vibration points.

Our Washington office tells us that there are now definite signs that the madness of the past few years, when a large body of the public seemed willing to exchange its liberty for a sense of false economic security, is slowly but

surely passing, and that there are on every hand signs of return to economic sanity.

During this period the grain trade needs, more than ever, to have its organizations alert. Most of our problems are no longer local problems, but problems of state or national significance. The things that now affect you most are the things far from your local station.

I urge upon you the strictest loyalty to your state association, because it is an actual part of your local business organization. Consider the state office, and our national office, as a hired employee of your local business, for it is exactly that. These associations exist to serve your state and national needs; it is your duty and your privilege to insist that they do their job. We need you and you need us; let us work together for a sane and intelligent solution of our state and national problems.

SENATOR EVERETT R. PETERS, St. Joseph, discussed "H. B. 237," the itinerant truck merchant bill which has been reported favorably out of com'te in the Illinois legislature. Said Senator Peters:

"Plenty of pressure has been brought to bear on this bill to control the itinerant, to place him on a somewhat similar business basis as the one on which the independent merchant must operate.

"Its safety features alone will merit passage of the bill. Its licensing features, and its bonding provisions will protect the people with whom the trucks do business."

R. B. BOWDEN, St. Louis, executive vice-pres. of the Grain & Feed Dealers National Ass'n, reviewed economics applied to the grain business. Said he:

"Government buros do not eliminate profits. Profits must be taken, whether a business is run by commercial interests or politics. Politics may look like an economic means, but is so inefficient that it must be subsidized with taxes, or take a wider margin than private industry.

"I believe in democracy. Under this form of government we have come a longer way toward better living conditions than have the people under other forms of government. It does give the people a voice.

"The oldest and finest arbitration system in the world was started and is in use by the grain trade of this country.

"The grain trade wants a business that is free, a business that is unrestricted, but that is held completely responsible for its place in the economic system.

"National legislation before Congress may have serious effects on the trade. The crop insurance plan, for example, is the beginning of the ever-normal granary.

"The grain trade must be united to make its wants felt in legislative halls. Politicians will pay no attention to individuals, but listen carefully to organized bodies."

W. P. FLINT, chief entomologist, Illinois Agricultural Experiment Station, explained the grasshopper menace. Knowing grasshoppers and bugs, Mr. Flint said:

"The competition between man and insects has been going on almost from the beginning of time.

"Grasshoppers and locusts are the same insects. The struggle between man and hoppers

is recorded in the oldest of history. Plagues of grasshoppers have caused migrations of man.

"The grasshopper infestation in 24 of our states is heavy. The grain that grass hoppers eat reduce the prosperity of grain areas. Grain men cannot handle it; farmers cannot sell it.

"Two or three times as many hopper eggs are now in the ground, as at the same time in 1936. If we have excessive rain during the next three weeks hoppers will be no problem. If we do not have sufficient rain we must poison the hoppers.

"Poison, mixed with bran, scattered at the rate of 10 lbs. per acre over our fields at the time hoppers hatch is the best known method of control. Grain dealers can help in this fight by promoting control measures and having bran available.

"The grasshopper fight is being carried on by county com'ites and between 45 and 50 counties have been organized to put up an earnest effort to preserve their districts from hopper damage.

"Grasshoppers are now beginning to hatch. By the 25th of May or 1st of June the fight will begin in earnest. Grain dealers can help by making ammunition available. About 80,000 tons of bran will be necessary for poison bait in the 24 states involved. Ground corn cobs may be mixed with the bran, half and half to make the bait.

"Because of short supplies of bran this commodity should be laid in as soon as possible. The purchase of poison may be delayed until late, when the weather lets us know whether the poisoning must be done.

"Either oil or water mixed bait will give 70% control on one application at the right time. Oil bait keeps best.

"Illinois Bulletin 466 explains methods for fighting hoppers and is available free to those who request it.

"Government purchases of poison are distributed in accord with county com'ite recommendations. Application of farmers should be made to district chairmen to procure the poison.

"Bait loses its attraction after a hard rain," replied Mr. Flint to a question by Pres. Potter. "Bait should be put out about 4 o'clock in the morning to get the biggest kill."

PRES. POTTER appointed the following com'ites:

NOMINATIONS: H. A. Hillmer, Freeport; John F. Wallace, Forest, and Raymond Peine, Minier.

RESOLUTIONS: John E. Brennan, Chicago; Thos. Ogden, Champaign; Maurice Wheeler, Onarga; L. W. Railsback, Weldon; T. E. Hamman, Arcola.

H. T. MORRIS, Decatur, introduced K. J. Maltas, nutritional director for A. E. Staley Co., who reviewed the feed merits of soybean meal.

"Feed nutrition," said Mr. Maltas, "is the business of every feed merchant. Practical nutritional research seeks the shortest route to the largest feed profits. It is a duty of the feed dealer to keep the farmers who are his customers informed of the latest scientific developments in feeds and feeding practices." Mr. Maltas' address appears in "Feedstuffs," this number.

Adjourned to Tuesday morning.



1. Some of Decatur's Convention Com'ite Members. Left to right, they are: H. W. Glessner, Chairman, Banquet; E. B. Evans, Entertainment; H. J. Kapp, General Chairman; E. F. Kull, Chairman, Banquet; Victor C. Dewein, Banquet. 2. Chet Knierim, with two soybean authorities, Wm. Shellabarger, and E. F. "Soybean" Johnson.



## Annual Banquet

A splendid tenderloin steak banquet was enjoyed by almost 500 delegates and guests in the dining hall of the Masonic Temple Monday evening.

Music by Lee Homebrook's orchestra during the dining sent many of the grain dealers and their ladies to the dance floor around which the banquet tables were spread.

A clever accordion player wandered from table to table during the dining, making music for and leading the singing of familiar songs.

The Decatur grain trade provided a most enjoyable vaudeville show that opened in the Temple's auditorium when the dining had been finished.

Joe Wallace, "The Clown Prince," was master of ceremonies for the three hour show, during which every minute was kept busy with dancing and singing sensations, novelty numbers, and several comedy acts. The perfect performance of this well trained troupe, each a star, won round after round of applause from appreciative grain dealers, their wives, and sweethearts, and an expression of appreciation to the Decatur grain trade and its entertainment com'ite.

## Tuesday Morning Session

PRES. POTTER presided at the closing session.

LEW HILL, Indianapolis, chairman of the Uniform Grades Com'ite, for the National Ass'n, led a discussion of the grain standards.

"Drouth conditions," said Mr. Hill, reviewing grade hearings at various markets, "brought distress to many country dealers buying oats from farmers. 'Cereal' oats gave farmers an impression that their oats were worth a premium, whereas actually these light oats were severely discounted.

"The meetings of the grain trade with federal officials has resulted in a ruling changing the word 'cereal' to 'thin.' This more aptly expresses the character of the oats involved, and is expected to improve the lot of the country grain buyer."

"Country shippers," said Pres. Potter, "have difficulty discounting farmers on oats under any circumstances. But the designation, 'thin,' will help.

"LATEST GRADING problem to come up," continued Mr. Hill, "is the double inspection of cars loaded with two grades or varieties of grain, unprotected with a bulkhead.

"We are uncertain of the effects of the new ruling that was promulgated Mar. 5."

"The new ruling will give plenty of trouble on shipments to arrive," said Jack Brennan. "A portion of a car cannot be applied on contract. An entire parcel must be the unit of sale. On consignments the ruling may make a little difference."

"Extreme cases," added Ed K. Sheppard, "where heating or musty grain is in one end of the car and good grain in the other, always

leave a doubt in the mind of the buyer as to the actual percentage of each kind of grain in the car. The matter becomes a basis for argument between buyer and seller. Few receivers can keep the two grades satisfactorily separated without bulkheads, when unloading."

"LEMKE has a bill he is offering in Congress," announced Mr. Brennan, "to require all appeals on grade to be carried first to the state Appeal Board when such boards are in existence.

"This is only another hurdle on grading to jump. The country shipper who calls an appeal wants a final appeal grade, available only from federal authorities."

A country shipper felt that "double inspection saves the shipper from excessive discounts when a small pocket in a car of corn chances to heat."

JOE SCHMITZ, Chicago's weighmaster, said: "When an elevator is running full tilt, and embargoes must be placed against the incoming rush of grain, it has no time to spend in unloading part parcels. Under such conditions double inspected cars would be purchased at discounted prices. When the movement is slow the elevators would probably handle the double inspected cars without objection."

"The purpose of dual inspection," explained Fred Smith, of the Board of Appeals, Chicago, "is to place both the shipper and the receiver in a position to bargain over the true contents of a car. The new method of certification is on trial and we hope it will work better than previous methods of determining variations in grade in the same car. There is little actual change in practice or application. Only one actual certificate is issued. Both grades, and the proportions of each, are shown on the same certificate."

"It looks like inconsistency," said Sec'y Culbertson, "after the years the grading authorities have spent in promoting uniform loading of cars, for them to about face and suggest to the country shipper that he can successfully load two grades in the same car without a bulkhead. Years are spent to standardize grading. Every change in the rules confuses the trade."

THE REPORT of the auditing com'ite was read and approved.

RESOLUTIONS Com'ite Chairman John Brennan, read the following resolutions, which were unanimously adopted:

### Resolutions Adopted

#### Certificates of Grade

WHEREAS, the Federal Grain Supervisors are now requiring the issuance of two or more Certificates of Grade on cars unevenly loaded, be it

RESOLVED, that we urge all shippers to mix their grain thoroly before loading and thereby earn a single certificate.

#### House Bill 237

WHEREAS, all commercial interests of the state are striving earnestly to place a permanent check on the roving sharpers who are undermining the business life of country communities without fairly contributing to the support of our schools, and other tax-supported public institutions, be it

RESOLVED, that we heartily endorse HB 237 and urge every member to appeal to the rep-

resentatives of his district in both Houses of the State Legislature to support the bill and to help to secure its enactment into law.

#### Trailers with Hidden Jacks

WHEREAS, the law enforcing authorities of the Corn Belt have exercised unusual vigilance in ferreting out operators of trailer trucks with hidden hydraulic jacks and gypped farmers and grain dealers out of thousands of dollars, be it

RESOLVED, that the Illinois Grain Dealers Ass'n tender them a vote of sincere appreciation for their efficient work in disclosing the methods of the tricky truckers.

#### Ass'n Accomplishments

WHEREAS, the accomplishments of the Illinois Grain Dealers Ass'n in the interests of the grain elevator operators of the state are most commendable and serve to give all a clear idea of the many benefits to be attained thru complete cooperation of all grain merchants, be it

RESOLVED, that we appeal to our brother dealers thruout the state to join with us and help to secure the common adoption of safer methods and better business conditions.

#### Thanks

RESOLVED, that we thank most heartily the Decatur dealers who have extended the hospitality of their fair city to our organization and for their splendid entertainment, and that we thank the speakers who have so generously contributed to our splendid program.

We also wish to thank our officers who have worked zealously for the common interests of all thruout the past year.

#### Flowers

WHEREAS, the lovely bouquet of flowers adorning the speakers' table thruout this convention was the gracious gift of Mrs. Heston I. Baldwin, whose husband served for many years as treasurer of this ass'n and shared the warmest friendship of the members, be it

RESOLVED, that we extend to Mrs. Baldwin our cordial acknowledgment and appreciation of her gracious remembrance.

ELECTION placed the following officers for the ensuing year: L. B. Walton, Mayview, pres.; W. C. McMichael, Lawrenceville, first vice-pres.; F. C. Dewey, Annawan, second vice-pres.; Fred E. Verry, Armington, treas. Directors: I. B. Barrett, Streator; N. L. Hubbard, Mount Pulaski; L. W. Railsback, Weldon; W. A. Webb, LeRoy; Chas. J. Potter, La Rose. Holdover directors are: L. J. Colehower, Wenona; V. L. Horton, Tolono; A. C. Koch, Breese; L. M. Walker, Gilman; H. C. Gring, Farmer City.

Pres.-elect L. B. Walton received the gavel from retiring pres. Potter, and assumed the chair.

Adjourned *sine die*.

At the directors' meeting immediately following the closing session, Danville was tentatively selected as the meeting place for the 1938 convention.

### Decatur Convention Notes

MILWAUKEE'S market sent A. C. Smith.

INDIANA country shippers were represented by L. E. Greenwood from Rensselaer.

SEEDSMEN were Paul Warren and Howard C. Myers, Crabbs-Reynolds-Taylor Co., Crawfordville, Ind.

LARRY LARIMORE, being rotund, loves longitudinal stripes so distributed striped pencils with the compliments of the Cleveland Grain Co.

APPRECIATED speakers on the convention program were Pres. S. W. Wilder and Executive Vice-Pres. R. B. Bowden of the Nat'l Ass'n. Attending the convention with Mr. Wilder was Mrs. Wilder; with Mr. Bowden, his son, John.

GOLF — Thruout the convention Decatur's best golf courses were open for those who brought their clubs. A grain dealer's badge was his admission to the Elks Club, Decatur Club, Country Club, Sunnyside Club and Southside Club.

SOUVENIRS included potato-shaped blotters, assembled with several printed sheets giving data on planting and fertilizing, by Virginia-Carolina Chemical Co.; books of matches by the Hotel Wolford, and the Millers Mutual of Illinois.

James M. Maguire was the only elevator broker present. Robert Boggess represented Inland Warehousing Co. Steel and wire men were S. R. Hanna, and C. L. Tite. Limestone salesmen included E. H. Bills; seed innoculants, M. C. Kabel.



1. K. J. Maltas, nutritional director, explains merits of soybean meal. 2. W. P. Flint, entomologist, tells how to poison grasshoppers. 3. Joe Sheridan, Peoria, paged at the entertainment.



MUTUAL INSURANCE was represented by J. T. Peterson and J. D. Stevens, of the Grain Dealers Mutual Fire Insurance Co.; J. J. Droste, and W. E. Meek, the Millers Mutual of Illinois; H. H. Hawlick and V. R. Johnson of the Millers National Insurance Co.

CONTRACTORS and supply representatives present in addition to those mentioned in connection with "Exhibits," were H. Clay Dempsey, E. M. Lyons, and E. D. Bargery, of Union Iron Works; N. C. Webster, Richardson Scale Co.; Harry Quick and Geo. Saathoff.

FEED TRADE representatives not mentioned elsewhere were W. L. Shellabarger, Decatur; E. F. Johnson, St. Louis; I. C. Bradley, Taylorville; J. L. Dickinson, Chicago; James Telford, Paris; N. P. Noble, and A. F. Leathers, Champaign; A. W. Treffer, Galesburg.

### Ladies' Entertainment

Visiting ladies, and there were many, this convention attracting more and more each year to the credit of the grain dealers and their entertainment, were tendered a luncheon and bridge party Monday afternoon at the Sunnyside Country Club.

Prizes were awarded to the best players, and to the one who came out at the bottom of the list. Every lady claimed "the grandest time." And each was presented with a photograph of the party with the compliments of Staley Mfg. Co.

### Interesting Exhibits

A. E. Staley Mfg. Co. had on display an extensive exhibit of soybean meal and correlated samples of each soybean product it makes. In charge of the exhibit were H. T. Morris, R. P. Rosebery, Bert Muthersbaugh, and C. W. Brewer.

Superior Scale Co. displayed in the hotel lobby a single beam, a double beam, and a triple beam, as used on Soweigh scales. In its room was also displayed several vital scale parts to show bearing surfaces, bearings, and levers. Representatives present included J. B. Sowa, W. T. Kramer, T. E. Connell, Eugene Berry, Howard Selk, and Richard Vanderhide.

Howe Scale Co.'s display was a heavy duty truck scale beam, to which was attached a Weightograph, all lighted up to show its convenience in operation. Explaining the merits of the device and of the scales was E. Angliker.

Fairbanks, Morse & Co. exhibited truck scale parts, interchangeable pivots, the knife edges and heavy irons that support the scale deck; a chromium type-registering beam, and a portable over and under platform scale fitted with a precision indicator. In charge were Geo. Betzelberger and Albert J. Cook.

### In Attendance

Bloomington sent A. M. Convis, R. Hasenwinkle, Herbert J. Moore, and R. C. Baldwin. From Cairo came O. B. Hastings, Jr.; from Forrest, Robert W. Leetch; from Rantoul, J. S. Peck.

Champaign sent P. M. Faucett, and Wesley A. Schreiber.

Springfield buyers and merchandisers present were Allan Moore, Ed Palmer, and F. J. Weis.

Streator sent Isaac B. Barrett, Wilbur Payne, and H. A. Stotler. From Tuscola came Jas. L. Bush and Curtis C. Marsh.

Indianapolis representatives were Lew Hill, Ed. K. Shepperd, C. R. Phillips, O. P. Larimore, and Fred K. Sale.

St. Louis representatives were F. J. Sommer, J. H. Teasdale Commission Co.; W. E. Ohlemeyer, Jas. E. Bennett & Co.; M. B. Grover, Cargill, Inc.; F. H. Barkley, H. L. Boudreau, Bert Collins, B. F. Jostes, A. W. Lipsey, C. A. Morton, D. Mullally, M. Marshall, W. J. Niergarth, O. H. Schwartz, and C. A. Wilson.

Chicago representatives, and representatives of Chicago firms from interior points, were: J. J. Coffman, J. R. Bailey, and F. W. Owings of E. W. Bailey & Co.; A. D. Sturtevant, D. F. Gerdum, A. H. Ellis, J. N. Bailey, C. R. Dehner, and J. Plotnicky, of Bartlett Frazier Co.; C. D. Olsen, T. L. Kalahar, and S. D. Mattingly, of Jas. E. Bennett & Co.; R. E. Rising, of J. H. Dole & Co.; G. Klein, J. V. Hannon, V. A. Wiese, F. R. Current, and W. G. Nelson, of Lowell Hoyt & Co.; G. H. Dunn,

and A. J. Pollak, of Hulburd Warren & Chandler; W. Tucker, George E. Booth, and J. L. Meara, of Lamson Bros. & Co.; F. G. Winter, of Quaker Oats Co.; E. J. Feehery, of Stratton Grain Company; J. Brennan, J. A. Schmitz, L. D. Godfrey, E. H. Granneman, G. Hannah, E. F. Havey, O. J. Bader, J. P. Ryan, G. W. Altorfer, L. G. Duncan, M. L. Vehon, H. A. Fisherkeller, K. Murphy, T. W. McNoldy.

Peoria representatives were F. L. Barlow, P. B. and C. C. Miles; W. W. Dewey, W. W. Dewey & Sons; Guy F. Luke, Luke Grain Co.; H. A. Mulholland, Lowell Hoyt & Co.; J. F. Sheridan, J. H. Dole & Co.; R. E. Disbrow, Lamson Bros. & Co.; A. M. Courtright, H. W. Hudson, W. Merkle, W. F. Stoltzman, and B. E. Wrigley.

Country shippers in attendance (arranged alphabetically by towns) were: Ralph B. Allen, Allerton; T. E. Hamman, and Byron E. Williams, Arcola; Paul Pratt and Fred E. Verry, Armstrong; Howard Huckelbury, Arthur; G. O. Corzine and L. A. Tripp, Assumption; Roy Danner, Astoria; Lester Fielding, Atlanta.

Harry H. Roseman, Barnes; L. E. Meyer, Belmont; Ed. Glennon and W. B. Fleming, Bement; C. S. Reeser, Benson; Walter E. Martens, Bloomington; B. Earl Johns, Fred L. Jostes and Dean M. Unzecker, Boody; F. A. Nessman, Broadlands; W. C. Price and S. A. Price, Brocton; A. C. Koch, Breese; H. E. Morgan, Buckley; Lloyd W. Young, Buffalo; Chas. McClelland, Buffalo Hart; Forrest H. Koehn, Camargo; Clair Ringle, Cambridge; J. Harry Cox and H. A. Henricks, Cerro Gordo; E. J. Steele, Cesco; C. M. Burt, M. B. Hyde and Thomas Ogden, Champaign; M. W. Boughton and C. W. Parry, Chenoa; F. W. Zelle, and Oscar Downey, Chestnut; C. E. Campbell, Chippis; Peter Kries, Clinton; H. J. Sterrenberg, Crescent City; Meddie Buck and S. Edgar Thomas, Cropsey.

Albert Olson, Dailey; J. H. Weidner, Dalton City; F. C. Klisath and L. G. Redshaw, Dana; Edwin W. Jokisch, Jr., Decatur; C. A. Crane, Dillsburg; O. B. Robbins, Dwight; Louis C. Abenbrink, Edwardsville; I. J. Craner and J. A. Havey, Elkhart; M. J. Remmers, El Paso; H. E. Robinson, Emington; Harry Barker, Fairmount; H. C. Gring and J. A. Little, Farmers City; Harold B. Steele, Fisher; Francis Sherry, Flanagan; Joe Blair, Foosland; R. Hippen and J. F. Wallace, Forrest; H. A. Hillmer, Freeport; L. M. Walker, Gilman; Arthur O'Keefe, Glenarm; D. Rondebush, Good Hope; Henry Blessman and Wilbur H. Boies, Gridley.

David Butler and Lawrence Pittman, Hammond; Ray McGrath, Heman; Elmer McNeal, Henning; E. C. Hollis, Heyworth; C. L. Scogguis, Hinsboro; Paul J. Coay, Homer; C. F. Scott, Illiopolis; Guy Cook and W. L. Hannon, Ivesdale.

Loren A. Williams, Jamaica; H. B. Rowe, Kenney; I. M. Funk, Kernan; P. W. Ehrlich, La Place; C. J. Potter, LaRose; C. C. Roger, Latham; W. C. McMichael, Lawrenceville; E. E. Hamman, Le Roy; W. A. Webb, Le Roy; M. A. Kirk, Leverett; A. P. Schantz, Lexington; J. F. Hubbard, Lincoln; Chas. Gingerich, Loda; J. McLuckie, Lostant; G. L. Lindsay, Lovington; W. D. Moon, Macon; Glen B. Hill, and C. B. Kirk, Mansfield; W. A. McGuire, and W. C. McGuire, and George H. Waller, Maroa; G. W. Walker, Mattoon; L. B. Walton, Mayview; A. B. Chrisman, Meral Davis, W. McAllister and C. V. Sturdy, Meredosia; C. E. Stanberg and M. B. Stanberg, Metcalf; G. S. Larrick, Milmine; N. R. Peine,

Minier; J. A. Simpson, Minonk; C. N. Finson, and Roy H. Jones, Monticello; A. L. Hight, Mount Auburn; C. A. Stout, Moweaqua; A. T. Porterfield, Murdock; A. F. Gilchrist, New Philadelphia; J. F. Beall, H. O. Bruce, O. W. Livergood and H. G. Lyman, Niantic.

Carl Ogden, Oakland; R. B. Rodgers, Oakwood; J. C. Fielding, Ogden; A. C. Robertson, Ohlman; H. J. Meyer, Omaha; R. M. Wheeler, Onarga; V. H. Davidson, Osbornville; H. McWard, Palmer; J. A. Gilles, Pesotum; C. E. Miller, Piper City; C. C. King, Pittsfield; F. W. Hagen, S. W. Hagen and J. D. Harms, Pleasant Plains; J. H. Heins, and Myron Heins, Pontiac; L. E. Hendrickson, Raymond; L. Truman, Ridgefarm; J. D. Grussing, Royal; E. R. Peters, St. Joseph; G. Carson, Saunemin; W. E. Munson, Savoy; J. D. Worshman, Sheldon; C. B. Wesley, Sidney; R. H. Reeder, Sloan; F. A. Grimes, Sterling; I. W. Larrick and J. B. Owen, Stonington; G. D. Marshall, Stronghurst; V. T. Hamman and P. F. Tabor, Sullivan; F. C. Irle, Thomasboro; O. A. Collins, Tuscolo; C. B. Barrick, Villa Grove; W. L. Craig, Hugh Delaney, Leo Delaney and Russell Delaney, Wapella; E. B. Williams, Warrensburg; V. W. Burtis, Waynesville; E. O. Marten, L. W. Railsback and R. Railsback, Weldon; J. Artman and Louis Colehower, Wenona; L. M. Scott, West Ridge; W. W. Luhring, Weston; H. M. York, White Heath; E. Atherton, Williamsburg; R. W. Erdmann, Williamsville; G. L. Hieronymous, Winchester; S. O. Gray, Woodland.

## Will Finance Purchase of Modern Scales

The Buffalo Scale Co. announces a new plan providing for immediate installation of new truck scales with low cash outlay as a helpful aid in meeting present day higher operating costs, increased sales volume and narrowing margins.

Increasing use of heavy trucks combining high tonnage, sudden starting and stopping shocks on the scales have created a demand for new scale equipment to meet present day conditions in the grain field.

"Naturally the purchase of a new scale is a capital investment and this Buffalo plan is being featured as a contribution to the industry which will be helpful in accurately weighing receipts and deliveries and at the same time distributing the cash outlay over a period of time," stated Theodore L. Richmond, Jr., president of the Buffalo Scale Co.

"Actually we have taken a leaf from the Motor Truck Manufacturers' book and applied it to the scale industry," continued Mr. Richmond. "The Buffalo plan provides modern, accurate scale equipment for immediate installation and at the same time leaves necessary working capital available for handling increased business."

## Steel Tanks for Country Storage

The grain buyer, whose business is to buy grain and load directly into the cars on spurs, depends entirely upon supply of cars obtainable for loading. When cars are not available these buyers are placed at a disadvantage. When the Southwest wheat country harvests a big crop, as is now in prospect, extra storage facilities are needed, as often at such times local grain buyers are not in position to take in and hold all grain offered.

Expensive storage is not always profitable, as in years when the crops are below normal, the surplus storage equipment is idle. The Midwest Steel Products Co. has designed low-cost storage bins suitable for providing storage space during the years of surplus crops at a small cost per bushel.

The illustration shows three of a battery of five such storage tanks built by it in Wauneta, a Western Nebraska town. These tanks can be furnished at a cost of approximately 8c per bushel. These bins can be furnished in sizes 18 ft. in diameter by approximately 24½ ft. in height with an approximate capacity of 5,000 bu., 18x27½ with 5,500 bu. capacity, and 18x29½ with 6,000 bu. capacity. These tanks are said to be heavily reinforced at the bottom, as well as thru the body of the bin, are easily erected and can be taken down and moved at a small cost.



Steel Tanks Provide Extra Storage



# Grain and Feed Trade News

Reports of new firms, changes, deaths and failures; new elevators, feed mills, improvements, fires, casualties and accidents are solicited.

## CALIFORNIA

Porterville, Cal.—The Hunsacker Feed Service will be continued by O. F. Pratt and H. L. Bryant, who have assumed the liabilities of the company.

## CANADA

Moose Jaw, Sask.—Robin Hood Mills, Ltd., on Apr. 28 sustained damage by windstorm.

Canora, Sask.—The Newlove Flour Mill burned recently; loss, approximately \$20,000; some insurance was carried on the stock.

Winnipeg, Man.—Death came suddenly, on Apr. 25, to E. L. Cavanagh, managing director of Jackson Bros. Grain Co., Ltd. He was associated with the H. Tooley Grain Co., Ltd., before going to Jackson Bros. He was at one time manager of the Winnipeg Grain Exchange.

## ILLINOIS

Shannon, Ill.—Graham Bros. Co. is installing a new 20-ton scale at its elevator.

Lacon, Ill.—The iron-clad elevator of the Terminal Grain Co. has been painted aluminum.

Cherry Valley, Ill.—Gilbert Westlake, of Elburn, has leased Hyland Bros.' elevator here.

Albers, Ill.—I intend to install a new 10-ton truck scale in elevator the fore part of June.—Wm. Netemeyer.

Sullivan, Ill.—The Sullivan Grain Co. has started the construction of a warehouse, 48x60 feet, at its elevator.

DuQuoin, Ill.—Mail addressed to the Zacher Milling Co. is returned by the post office marked "Out of business."

Long Point, Ill.—Paul Rittenhouse has purchased a new 20-ton, 10x34-foot heavy duty Sowigh Motor Truck Scale.

Hinckley, Ill.—The Hinckley Grain Co. is considering the installation of ball or anti-friction bearings thruout its elevator.

Manteno, Ill.—Mail addressed to the Manteno Farmers Union Co-op. Ass'n is returned by the post office marked "Out of business."

Wing, Ill.—A new 20-ton truck scale has been installed at the elevator of the Valley Grain Co., replacing the former scale.

Gerlaw, Ill.—The Second Nat'l Bank of Monmouth's elevator here, operated by Mr. Johnson, has received a coat of paint.—G. H. R.

Chadwick, Ill.—The Chadwick Supply Co. recently purchased a 20-ton heavy duty Sowigh Motor Truck Scale to be installed here.

Springfield, Ill.—A bill to permit an over-all length of 40 feet for trucks and semi-trailers is reported to have been introduced into the state legislature.

Chase (Cortland P. O.), Ill.—The Holcomb-Dutton Lbr. Co. is installing a 10-ton Howe Truck Scale at its elevator and making other improvements.

Thomasboro, Ill.—The Thomasboro Grain, Lbr. & Coal Co. has just completed the installation of a new registering beam, 20-ton Fairbanks Scale, platform 9x28 feet.—G. H. R.

Grant Park, Ill.—The Grant Park Co-op. Grain Co. has replaced its spur gear type Bender Truck Lift for a heavy duty Bender Worm Gear type electric lift.

Farmersville, Ill.—Henry J. Nobbe, who built the first residence in this town in 1887 and operated an elevator here, died Apr. 29, at his home in Harvel, at the age of 72 years.

Stonington, Ill.—The Stonington Co-op. Grain Co. is installing a new Western Cleaner, and adding a truck loading spout to the street side of its elevator to further accommodate farm patrons. Soybeans will be put thru the cleaner and returned to the owner's truck ready for seeding.—J. W. Lannick.

Farmer City, Ill.—Scholar & Gring have just installed a new truck scale with 34-foot platform so they can handle all trucks that come within the limits of the Illinois law.

Minonk, Ill.—The Terminal Grain Co. (formerly U. B. Memmen elevator) of St. Louis, has completed painting its local elevator. The slate roof has been painted also.—G. H. R.

Covell, Ill.—Charles U. Bower, a grain dealer here for many years, died at the home of his son on Apr. 24, at the age of 64 years. Failing health obliged him to retire from business in 1925.

Castleton, Ill.—Improvements under way at the Hartz Grain & Lbr. Co.'s plant include a new foundation and new roof shingles. Interior work consists of new ceiling, floor and window casings.

East St. Louis, Ill.—The 200,000-bu. Belt Elvtr. here, owned by the Langenberg Bros. Grain Co., has been sold to Cargill, Inc., which took possession May 1. The elevator has facilities for barge loading.

Pekin, Ill.—A sign reading "Mill closed until congress adjourns in 1937" has been posted upon the three entrances of the small flour mill operated by Mr. Easling and known as the Pekin Roller Mills.—G. H. R.

Narita (Latham p. o.), Ill.—The local office of the Mt. Pulaski Grain Co. was broken into during the night of Apr. 15, the thieves taking a radio and a check writer and damaging the door of the safe, which they failed to open.

Purdueville (Paxton p. o.), Ill.—The contract for electrical installation in the elevator of the Perdue Elvtr. Co. has been let to C. G. Reutter of Cissna Park, Ill. Work should be completed by June 1. The job will cost over \$1,000.—G. H. R.

Hillsdale, Ill.—S. W. Reuter, of Lacon, Ill., has been appointed manager of the Hillsdale Co-op. Elvtr. Co.'s elevator, succeeding Louis Fillmer, recently resigned, who has bot an interest in a grain and lumber business at Miles, Ia.

Clifton, Ill.—The Clifton Grain Co.'s plant has been grounded against lightning, the track side windows all screened and the driveway has been widened to 12 feet and entirely rebuilt. Complete electrification of this plant has been deferred until oat harvest.—G. H. R.

Havana, Ill.—B. R. McFadden, grain merchant and banker of Mason County for half a century, died at a Peoria hospital Apr. 19, at the age of 71 years. Mr. McFadden, who resided in Havana, was associated with the McFadden elevators in this county and central Illinois.

Towanda, Ill.—The Towanda Co-op. Grain Co. has had its old elevator razed to make room for the new 38,000-bu. house to be erected for the company by Geo. Saathoff, as reported in the Apr. 28 Journals. The new elevator will be strictly modern and operated by electricity.

Pekin, Ill.—Pekin Farmers Grain Co., operator of the large concrete elevator at this point, is installing a new 30-ton scale, with weightograph attachment on the beam. Platform, 10x34 feet, is under awning. This installation is being placed in the detached office.—G. H. R.

Weedman (Farmer City p. o.), Ill.—Having made up their minds hurriedly, the directors of the Weedman Grain & Coal Co. are asking for bids upon a new elevator to replace its "match-box" elevator. All the other buildings are modern and a new elevator here would make a complete unit.—G. H. R.

Beardstown, Ill.—While walking from the plant office of Schultz-Baujan & Co. to his home, on May 8, C. J. White, partner in the firm, died from a heart attack. Mr. White was a son-in-law of John Schultz, who died several years ago, and a brother-in-law of E. E. Schultz, also deceased.

Herscher, Ill.—The Herscher Grain Co. has completed relining its dumps and bins. The proposed change in power transmission has been deferred until a later date.—G. H. R.

Mt. Carmel, Ill.—A truck belonging to the Bluff City Milling Co. and driven by Ralph Smith, on Apr. 30 was hit by a Mid-West truck, of Olney, Ill. The accident happened near Wayne City and caused the death of the driver of the Mid-West truck and a total destruction of the mill truck.

Avon, Ill.—The Farmers Elvtr., operated by R. W. Cutler, has completed installation of a new 20-ton Howe Scale and truck lift. Two grates, 4x4 and 5x6 will service both lengths of trucks and a 9x24-foot platform of 3½-inch plank will serve full length and extra heavy-duty trucks in one weighing.—G. H. R.

London Mills, Ill.—The London Mills Farmers' Co-op. Co. has added a small addition to the east side of its elevator, 10x6x8 feet, and installed a No. 6 seed cleaner. The compressor pump has been moved to the work floor and the 5-h.p. motor operating same, now operates the cleaner by a change of belts.—G. H. R.

Tuscola, Ill.—Robbers some time between midnight and dawn, May 1, entered the office of the Collins Grain Co. thru a side window, knocked the combination from the outer office safe and escaped with about \$100 in cash. Papers taken were found on the road neatly arranged in a small metal box, also taken from the safe.—G. H. R.

Benson, Ill.—The Benson Farmers Co-op. Grain Ass'n will begin construction of a new 20x40-foot, one-story, three-room office with full basement and a furnace on May 15. Construction will be frame, covered with asbestos shingles. The company is figuring on putting in a new scale at the time of construction. The manager of the elevator is C. S. Reeser.

Dillsburg, Ill.—Clint Crane is slowly recovering from a peculiar accident to his eye. In gathering up a few cobs, about six weeks ago, one hit him in the eye, infection set in shortly, and Mr. Crane was in the hospital for several weeks. Wearing heavy blue glasses, Mr. Crane is back on the job, but it will be several weeks before he will be able to do any book work.—G. H. R.

Bushnell, Ill.—Att'y Kukuk, of Bushnell, who last fall purchased the old Geo. Long elevator at bank sale, for a client of his who failed to put in an appearance, recently disposed of his property to the Bushnell Grain & Feed Co., under the management of S. R. McClintick, Jr., son of one of the owners. Property will be revamped and put in firstclass operating condition before the crop year.—G. H. R.

New Philadelphia, Ill.—A. L. Gilchrist, operator of the only elevator here, has completed the installation of a Portable Truck Hoist operated by a 3-h.p. motor. Driveway has been replanked with 3-inch planks and a grate, 3x4 feet, has been installed. Driveway extension added 15x10x14 feet, with metal clad doors on either end. A new 30-ton scale, with platform 9x26 feet, will be placed in the office, for heavy duty. The old 4-ton scale will not be replaced.—G. H. R.

Minooka, Ill.—The Minooka Grain, Lumber & Supply Co., operating two plants, one on the R. I. and the other on the E. J. & E., has just completed some extensive repairing and remodeling to its Rock Island elevator. Two new 10-h.p. induction motors have been installed in the cupola, operating each leg thru a 3-sheave drive, mounted right on the heads, reduced by chains, to sprockets. The east leg has been revamped, new turnhead, with 10-inch spouts, new 10-inch loading spout to cars. New 15-inch belt, 5-ply, 14x6-inch cups have been installed. New heavy duty truck lift, with grates over dumps, will serve this east leg. Crop conditions demanding, repairs and improvements will be extended to the other elevator.—G. H. R.



Boyers Siding (Buckingham p. o.), Ill.—With the practically discontinued service of the I. C. R. R., the elevators owned by the Farmers Elvtr. Co., of Reddick, on this spurtrack from Buckingham, at Unz (Reddick p. o.) and Boyers Siding stations, have been abandoned and all grain business originating in these territories is now being handled thru the Reddick elevator, with improved conditions at that point.—G. H. R.

Tuscola, Ill.—The office of the Collins Grain Co. has been revamped, two self-computing curb-line pumps have been added, with two 500-gal. underground tanks. An air compressor has been placed inside and the interior of the office has been redecorated. The company operates a similar arrangement at its elevator at Galton, Ill., in charge of O. A. Collins. This station is in charge of Joe E. Collins.—G. H. R.

Sollitt (Beecher p. o.), Ill.—The Graham Grain Co., of Terre Haute, Ind., lessee of elevator here, has installed a new 15-ton scale in its office here, with 9x18-foot platform; new 10-inch belt, with 9x5 cups, in the south leg; new floor in the driveway. This company also operates under lease at Puder, Polk, in this section, and Libertyville (r. f. d. Paris, Ill.); Lewis and Riley, Ind., all on the C. T. H. & S. E. R. R.—G. H. R.

Reddick, Ill.—Work on the Farmers Elvtr. Co.'s elevator, halted last fall by the weather and the large volume of grain handled, will soon be completed. The driveway was completely rebuilt and a new Soweigh Scale installed, having a 9x22-foot platform. Elevator will be metal clad with 26-gauge, corrugated sheeting, bonded and grounded against lightning, and track side windows screened. E. H. Riek is manager.—G. H. R.

Essex, Ill.—Tom Calahan, manager for the past 11 years of the Essex Farmers Co-op. Elvtr. Co.'s elevator, has asked to retire from active management this fall. The board accepted his resignation and voted to liquidate the business. It is doubtful, tho, that this will be done. It is expected that the company will appoint a new manager, enlarge the scope of its business and improve its property to care for trucks.—G. H. R.

Pekin, Ill.—W. W. Dewey & Sons, operators of the South River terminal house here (formerly the Smith-Hippin elevator), will shortly complete the installation of a marine leg, for receiving grain by barge on the Illinois River. A 72-foot steel trestle will span the six railroad tracks, and a 120-foot wooden trestle will extend beyond to the river. A 22-inch conveyor belt, operated by a reversible motor, will handle the grain. This improvement will about complete the remodeling started in 1936.—G. H. R.

Exline (Kankakee p. o.), Ill.—E. L. Jarvis & Son, elevator operators at this point, have completed improvements at their west elevator as follows: New 10-ton Fairbanks Scale, with 8x16-foot platform; electric power installed in the small brick power house (engine junked), 7½-h.p. motor, 6-inch belt to shaft into elevator; controls in power; electric lights in elevator and office; all buildings painted. Plans are to tear down the old east elevator and use materials in building an ear-corn crib adjoining west elevator.—G. H. R.

Clinton, Ill.—Homer Griffin, of Eldorado Springs, Mo., and John Holt, Excelsior Springs, Mo., arrested recently on charges of theft of grain thru truck trucks, on Apr. 16 were brot before Justice of the Peace Ben S. Ford, who dismissed the charges, this being the second time charges were dismissed against them, the first being at Decatur earlier in the week. The men were held, however, for further investigation by DeWitt County and it was expected they would be brot before the grand jury along with Oran Brink, arrested at Danville on a similar charge.

Monmouth, Ill.—A newly formed partnership by P. B. Scott and Ralph Wells, both of Monmouth, to be known as Wells & Scott, is planning the immediate erection of a dehydrating unit on property owned by Mr. Wells. The plant will set in the open, covered only with a steel roof, and will be operated by electric power. Oil-burner furnace attached to unit will furnish heat for drying the alfalfa meal. The unit will have a capacity of one dry ton per hour, and will operate 24 hours per day, in season, approximating 100 days. It is planned to spend about \$15,000 erecting this unit.—G. H. R.

Leverette (Champaign p. o.), Ill.—J. M. Hersh-barger has purchased the interest of his son Art's widow and is now the sole owner and operator of the elevator here. Mr. Hershbarger has painted his elevator, retarred the roof, replaced all of the windows and installed an additional truck lift on the driveway. Mike Kirk is manager for Mr. Hershbarger.—G. H. R.

#### CHICAGO NOTES

Board of Trade memberships are selling at \$5.400, an advance of \$100 over the preceding sale.

James O'Sullivan, an associate member of the Stratton Grain Co., died Apr. 16 at a Chicago hospital, after an illness of three months. He resided in Evanston, Ill.

Charles R. Shackleton, 59 years of age, a member of the Board of Trade for 20 years past, died in his room at the Hotel La Salle during the night of May 10. He had been associated with E. D. Norton & Co. for 35 years.

A protest was filed earlier this month with the directors of the local exchange as to some of the wheat which has been brot here from the Southwest and tendered on open May contracts. It is contended that this wheat, if offered in the sample market, would bring a substantial discount.

New members of the Chicago Board of Trade include the following: Clarence S. Woolman, vice-pres. of Hales & Hunter; Ernest G. Loeb, Charles E. Stimming, George Swenson, John G. Byers, Jr., W. L. Wieland, Thomas G. Moffat, Wm. Hight, Arthur W. Schweer, and George H. Barkhauser.

We are indebted to Sec'y Fred H. Clutton for the 79th annual report of the trade and commerce of Chicago for the year 1936, published by the Chicago Board of Trade, and containing much valuable information in addition to the list of members of the board and the rules and regulations governing that body.

Vitality Mills, Inc., has purchased the mixed feed brands and good-will of the Charles A. Krause Milling Co., of Milwaukee, which is going out of the mixed feed business. It is reported that the Krause Co.'s sales staff will also be taken over by Vitality Mills. As previously reported in the Journals, the Krause Milling Co.'s plant was wrecked by a dust explosion in April.

Directors of the Board of Trade, at a special meeting May 5, adopted a resolution authorizing the market report com'te to quote trades in December corn, oats, rye and barley. Official quotations on December wheat will be withheld pending a ballot vote on adoption of new wheat grades to conform with federal standards. This will obviate trading in new and old style contracts in December wheat.

#### INDIANA

Tyner, Ind.—The C. G. Wolf elevator will install a new feed mixer.—L.

Winchester, Ind.—Goodrich Bros. Co. is replacing its 300-bu. steam drier with a larger one.

North Judson, Ind.—Frank J. Wolf has installed a horizontal feed mixer in his feed mill here.—L.

Plymouth, Ind.—Syler & Syler will iron clad the entire plant and add a man lift and new mixer.—L.

Jonesboro, Ind.—R. J. Morgan recently installed a Blue Streak Corn Cutter and Grader in his elevator.

Hebron, Ind.—The Hebron Feed Co. will build a large warehouse for feed and hay storage immediately.—L.

Summitville, Ind.—The Hinshaw Grain Co. will add three new motors and revise power connections to discard line shaft.—L.

Boyleston, Ind.—Clayton C. VanSteenberg, owner and operator of a grain elevator here, died suddenly of a heart attack on Apr. 26.—W. B. C.

Camden, Ind.—The Soy Seed Co. (known to the local townspeople as the Beanery) has installed a modern drier at its elevator for drying seed corn.

Cicero, Ind.—The Farmers Co-op. Co. has enlarged the feed mill and office, installing a new lighting system, including outside lights, and added a new feed mixer.—L.

Cynthiana, Ind.—Chas. Nunn & Sons are installing new scales and office equipment in their elevator plant which they recently purchased from the Ziliak-Schafer Co.

Windfall, Ind.—The Farmers Grain & Supply Co. has added new power and a new grinder and cleaner at the Nevada (r. f. d. Windfall) elevator and will dismantle the frame elevator at Windfall.—L.

Guernsey (R.F.D. 3, Monticello), Ind.—Loughry Bros. Milling & Grain Co. has sold the elevator located here to W. W. Pearson, Reynolds, Ind., to be dismantled. Work will start at an early date. It has a 30,000-bu. capacity.

New Harmony, Ind.—P. R. Couch has returned from spending the winter in his home at Sebring, Fla., and is now busy remodeling his flour mill property here and elevator properties at Stewartsville, Ind., and Bone Gap and West Salem, Ill.

Hillsboro, Ind.—Everett Pearl Finch, 51 years old, died Apr. 29 of heart disease, after a short illness. He had been engaged in the grain business here for the past 31 years and had an interest in the Veedersburg elevator, which is operated by his son, Francis Finch.—W. B. C.

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Westville, Ind.—The Farmers Co-op. Co. has purchased a truck dump for its elevator, that will be installed before harvest.

Oxford, Ind.—J. C. Fielding, Ogden, Ill., has bot the concrete mill and elevator property of the Oxford Grain Co. Some of the machinery is being re-arranged, and a new overhead McMillen Truck lift is being installed. The firm name is being changed to "J. C. Fielding—Grain."

Princeton, Ind.—Earl M. Nelson, manager of the Feed Co. of this city, miraculously escaped serious injury recently when a tractor which was being unloaded from a truck overturned on him. Employees lifted the heavy tractor and he escaped with minor injuries.—W. B. C.

Attica, Ind.—The Oxford elevator and grain business, which has been closed for some time, has been sold by the stockholders to J. C. Fielding, of Champaign, Ill. The building will be put in good condition, an overhead hoist installed and minor repairs made and it is expected that business will be resumed some time in May.—W. B. C.

Mt. Vernon, Ind.—Fire broke out in the boiler room of the Home Mill & Grain Co. and was carried up thru cob spout into top of elevator, causing about \$2,500 damage, fully covered by insurance. Fire was evidently caused by carbonizing of the wood above boiler breeching after years of continuous exposure to heat. Fire broke out about half an hour after plant had been closed and shortly after watchman had made his rounds. A proper cutoff in cob spout from boiler room to cleaner would have confined fire in boiler room and prevented the severe damage to the elevator.

Mt. Vernon, Ind.—Construction of a completely new and modern office and scales has been started at the E. H. Morris elevator, it has been announced by Robert Morris, manager. The office will be of steel and brick 15x30 feet. It will consist of two rooms. The scales will be 34 feet long and 10 feet wide, with a concrete platform that will weigh particularly large trucks. The office is being constructed on the three-cornered plot of ground north of the L. & N. Railroad tracks. This will facilitate the unloading of grain and result in saving of time. Another improvement being made is the placing of roller bearings on all machinery in the elevator.—W. B. C.

Decatur, Ind.—Construction work is under way for a third large addition to the McMillen Feed Mills' plant. The new buildings are to be completed by Oct. 1 and will house two new lines of feed-making machinery. Included in these will be reels, magnetic separators, mixers, automatic scales, etc. The construction will be of concrete and steel, two stories high and 300 feet in length. Altho six spur tracks totaling more than a mile and a half in length already serve the plant, an additional railroad spur 700 feet long will be built to facilitate the shipment of feed. McMillen Feed Mills, Inc., was organized by D. W. McMillen in 1935 and has grown widely in scope since that time. Extensive additions were made to the plant last summer and the work now under way constitutes the third expansion. The construction work is being done by the Indiana Engineering & Const. Co., which is also making some additions to the Central Soya Co.'s soybean processing plant.

## IOWA

Cylinder, Ia.—The Farmers Elvtr. Co. plans to rebuild its elevator that was destroyed by fire.

Swea City, Ia.—The Farmers Elvtr. Co. is remodeling and improving its house at a cost of about \$4,000.

Alexander, Ia.—An old grain elevator, known as the Farmers Elvtr., which has not been used for several years, is being razed.

Fayette, Ia.—On account of illness, F. R. Chittenden, who has owned and operated a feed mill and coal business here for years, has sold same to Roy Greenough.

Odebolt, Ia.—Henry Hanson, 87 years of age, a resident of this town since it was founded in 1878, died at his home here Apr. 21. He was engaged in the grain business here from 1878 until 1891. He was also mayor of this town and an officer in several banks. A lover of trees, Mr. Hanson set out hundreds of them along the streets of Odebolt.—Art Torkelson.

Orange City, Ia.—D. Waanders, of Hospers, Ia., has been appointed manager of the Farmers Mutual Co-op. Ass'n's elevator here, succeeding Carl Oelrich, resigned.—Art Torkelson

Peterson, Ia.—Two old elevators at this station are being wrecked and a new 25,000-bu. elevator for the Peterson Farmers Elvtr. & Supply Co. will be built by the T. E. Ibberson Co.

Webster City, Ia.—The Community Co-op. Ass'n has just completed overhauling its elevator building. Five new bins were added to service the new cleaner recently purchased. The Geo. Todd Const. Co. did the work.

Rowan, Ia.—The Rowan Lumber & Grain Co. awarded contract to the T. E. Ibberson Co. for the erection of a 40,000-bu. elevator and the work has been started. A new office building will be built as well. A 34-foot, 20-ton Howe Scale with a concrete deck will be used for receiving purposes. A 10-bu. Richardson Automatic Scale will be used for shipping purposes. The leg will be fitted with a Winter Head Drive. The whole plant will be covered with galvanized iron.

Plover, Ia.—Five places were entered here recently, one of them being the Farmers Grain & Coal Co., where the thieves got approximately \$5 for their trouble.—A. T.

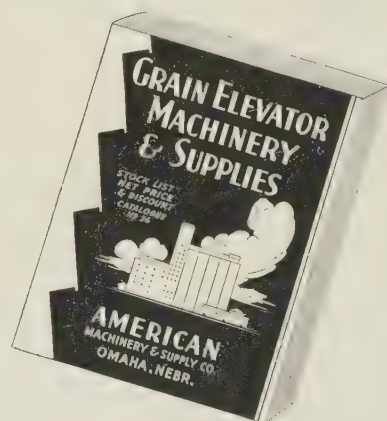
Holmes, Ia.—A 20-ton Fairbanks Scale with a concrete deck is being installed here for the Farmers Co-op. Elvtr. Co. The scale will be 34 feet long. The T. E. Ibberson Co. is doing the work.

Davenport, Ia.—Using a pinch bar on a window and a door to gain entrance, thieves entered the elevator of the Victoria Elvtr. Co. during the night of May 3, but failed in their efforts to open the safe.

Superior, Ia.—The Farmers Elvtr. Co. is having a new 20-ton, 26-foot Howe Scale installed at its elevator and other repairs made. Strong-Scott Dumps will be used. The T. E. Ibberson Co. is doing the work.

Toledo, Ia.—A 30,000-bu. elevator of the Toledo Grain Co. burned during the night of May 9; the loss, amounting to thousands of dollars, is practically covered by insurance. About 1,000 bus. of grain and all the machinery were destroyed.

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Norway, Ia.—George Miller, an employe of the Quaker Oats Co. for 30 years and manager of the company's local elevator for several years, took his own life, Apr. 21, by shooting himself thru the temple. He was 60 years old.

Melvin, Ia.—A new annex at this station is being built for J. E. Stockdale, of Estherville, Ia., who recently purchased the Melvin Grain Co.'s elevator here, the annex being adjacent to the elevator purchased. The T. E. Ibberson Co. has the contract.

Armstrong, Ia.—Carl Oelrich, who resigned his position as manager of the Farmers Mutual Co-op. Ass'n's elevator at Orange City, Ia., to accept the position of manager of the Farmers Elvtr. Co.'s elevator here, has taken active charge.—Art Torkelson.

Zearing, Ia.—R. J. Pulley has just finished overhauling his elevator. New equipment installed includes Strong-Scott Head Drive, new distributor, all steel spouts, roller-bearing Western Boot, steel pit tank and a number of other changes. The work was done by the Geo. Todd Const. Co.

Algona, Ia.—The new 15,000-bu. elevator and feed mill planned by E. R. Rising & Son to be built this spring, as reported in the Jan. 13 Journals, is beginning to take shape. A 40x100-foot warehouse will be included in the new plant, which will have trackage on the C. & N. W. R. R.

Ft. Dodge, Ia.—A tornado struck this city about 8 p. m., Apr. 23, leaving in its wake property damage estimated to be over \$10,000. It demolished the large brick building that housed the J. R. MacDonald Vitamized Feed Co.'s mill and warehouse.—Art Torkelson, with Lamson Bros. & Co.

George, Ia.—Jacob Dietz, manager of the Farmers Elvtr. Co.'s elevator here, who was severely injured in a 50-foot fall at the elevator recently, as reported in the Mar. 10 Journals, is reported to be sufficiently recovered to be removed to his home from the hospital in Sibley. His skull was fractured in the fall.

Keokuk, Ia.—J. O. Hoerner, president of the Purity Oats Co. here and also of two box companies, one in Iowa and one in Oklahoma, died recently, after an illness of a few days. Mr. Hoerner, who was 43 years of age, at times kept his plant in operation at a loss rather than lay off employes he knew needed the work.

Council Bluffs, Ia.—The C. B. & Q. Terminal Elvtr. here, leased by the Butler-Welch Elvtr. Co., is being repaired by the Van Ness Const. Co. Two new full floating Winter Boots are being installed, the leg casings are being repaired and heads straightened, spouting repaired and other adjustments are being made.

Des Moines, Ia.—A new set of plans for a building to be erected here for Geo. P. Sexauer & Son, of Brookings, S. D., has been designed by the T. E. Ibberson Co. This building will be a brick structure, two stories high with a full basement, and will be built on a new site purchased by Sexauer & Son two blocks from the Rock Island depot, at the corner of Sixth and Tuttle Sts. The Garner-Stiles Co., local contractors, is building the main building and the T. E. Ibberson Co. will install a complete seed cleaning unit in the building, consisting of cleaners, Eureka Seed Cleaner, seed machines, cleaners and machines manufactured by the W. A. Wright Co., also gravity seed cleaners. Geo. P. Sexauer & Son were obliged to put in this modern seed cleaning equipment and erect this storage plant to take care of increased business in Iowa. The work has been started.

Madrid, Ia.—Charged with issuing a false check to the Lundahl Grain Co., of this place, J. H. Stark, a Kansas truck driver, has been bound over to the Boone County grand jury. The check for \$347, which was made in payment of a truckload of corn purchased here, was issued last December. Stark pleaded not guilty.

Wilton, Ia.—The old grain elevator at the foot of Cedar St., which has been unoccupied for some time, has been taken down, the lumber being used in the construction of a new farm house. An elevator has stood on this site since the early days of Wilton, the last one having been built by the late M. C. Ott in the late '90's.

## KANSAS

A. L. Flook Grain Co., Galva, and the Wichita Flour Mills Co., Wichita, suffered damage by wind last month.

Cullison, Kan.—The Farmers Grain & Supply Co. is installing a new boot with anti-friction bearings.

Seguin, Kan.—Mail addressed to the Seguin Co-op. Ass'n is returned by the post office marked "Unclaimed."

Burdett, Kan.—Mail addressed to the A. J. Moore Grain Co. is returned by the post office marked "Unclaimed."

Grove (Delia p. o.), Kan.—Merillat Bros. have added new truck scales to the equipment of their local elevator.

Beagle, Kan.—The Farmers Union Co-op. Elvtr. Ass'n is installing a new truck dump and extending the driveway.

Hutchinson, Kan.—The Salina Terminal Elvtr. Co. recently installed the Palmer System dust control equipment.

Manter, Kan.—Mail addressed to the Farmers Co-op. Co. is returned by the post office marked "Unclaimed. Deceased."

Great Bend, Kan.—The Farmers Grain & Supply Co. is enlarging its office and installing new office equipment and fixtures.

Linn, Kan.—Mail addressed to the Kansas Milling Co. is returned by the post office marked "Unclaimed. Unknown."

Minneapolis, Kan.—The roof of the elevator of the Jackman Roller Mills was recently repaired by the Van Ness Const. Co.

Chetopa, Kan.—Fire in the Karns Grain Products Co.'s plant caused an estimated damage of \$7,000 to machinery, on Apr. 22.

Hillsdale, Kan.—The Fessenden Grain Co. has given an order for a Bender Worm Gear type overhead electric lift to be used in its elevator.

Centralia, Kan.—The Geiger Grain Co. has purchased the west elevator and will operate it as the Geiger Grain Co. No manager has been chosen.

Sayre (Ensign p. o.), Kan.—Mail addressed to C. G. Cosburg, who operated an elevator here, is returned by the post office marked "Unclaimed."

Paola, Kan.—The Buckman Seed & Feed Co. has replaced its spur gear type Bender Electric Truck Lift for a heavy duty Bender Worm Gear electric lift.

Glasco, Kan.—Sparks from chimney ignited shingles on the roof of the elevator of the Morrison-Gregg-Mitchell Grain Co. on Apr. 23, causing slight damage.

Little River, Kan.—The Burke Grain Co. has remodeled its elevator leg and installed a new Ehrsam Head Drive, Palmer Suction Cleaner and antifriction bearings.

Seeman (Larned p. o.), Kan.—A new leg belt was recently installed at the local elevator of the Midwest Grain Co. and a belt drive substituted for the former rope drive.

Wichita, Kan.—The Wichita Board of Trade held its annual election May 11 and chose the following officers: Pres., Paul Morton; vice-pres., A. W. Gill. Directors, F. H. McKown, B. Megaffin, and P. W. Smith.

Great Bend, Kan.—A 200-h.p. electric motor has just been installed in the Barton County Flour Mills, being the first step towards complete electrification of the plant.

Salina, Kan.—The remodeling now going on at the H. D. Lee plant and the installation of some new equipment will increase the capacity of the plant by approximately 700 barrels.

Arlington, Kan.—The Arlington Elvtr. Co. has installed a hammer mill with an electro-magnet.

Hutchinson, Kan.—W. R. Smith is now connected with Goffe & Carkener, Inc., as assistant to H. Hansen in the local office. Mr. Smith was formerly manager here for the Davis-Noland-Merrill Grain Co.

Rydal, Kan.—The George C. Dooley Elvtr. Co. has bot a Van Ness Roller Bearing Manlift from the Van Ness Const. Co., which will install it. Mr. Dooley is also making other improvements at his plant.

Dexter, Kan.—Since the death of Levi T. Shrader last winter, reported in the Feb. 24 Journals, his widow, Mrs. Ethel Shrader, has been operating the business. The elevator was built by Mr. Shrader's father in 1906.

DeSoto, Kan.—Contract for a new studded storage annex for the S. R. Zook Grain Co. has been given to the Van Ness Const. Co., which will start work immediately, completing the structure in time for the new crop.

Emporia, Kan.—J. E. Sloyer, proprietor of the S. & S. Feed & Coal Co., has sold the Commercial St. business to Clair T. Agrelus, formerly of Eureka, retaining his wholesale feed business and coal yard at Third and Merchant.

Dodge City, Kan.—M. Dean, of Manhattan, has been appointed manager of the elevator of the Dodge City Co-op. Exchange, succeeding George Glenn, who goes to Hutchinson to become assistant manager of the Kansas Farmers Co-op. Commission Co.

Dodge City, Kan.—Tom Bates has been transferred by B. C. Christopher & Co. from Springfield, Colo., to this point, to take charge of its local grain office, succeeding R. T. Lanphere, manager here for nearly four years, who has rejoined the Fenner & Beane firm, with which he was associated years ago.

Parsons, Kan.—L. H. Bowen and Dwight Chamberlain have opened a new business here, to be known as the Empire Commission Co., which will supply in carlot shipments any kind of livestock feed. Contacts have been made with over 100 different milling companies and a complete line of feeds will be handled, including millfeeds, cottonseed, linseed, soybean meal, corn, cod liver oils, molasses and hominy feeds.

Leavenworth, Kan.—Improvements for the elevator recently purchased by Wolcott & Lincoln, Inc., from the Farm Credit Administration will consist of a workhouse adjacent to the present storage bins which will include elevator legs, grain hopper scales and other necessary equipment for receiving grain from railroad cars and loading out to railroad cars and to barges on the Missouri River. A gallery will be constructed for that purpose from the workhouse to the river, which is only 300 feet from the elevator. A 30-ton truck dump scale and truck lift will be reconditioned and put into operation for receiving wheat from trucks. The work will be completed in approximately 60 days and the elevator made ready for the 1937 wheat crop. The storage capacity of the bins is 230,000 bus. Horner & Wyatt are the consulting and supervising engineers. Wolcott & Lincoln operate the 1,000,000-bu. Alton elevator at Kansas City and the one-half million bu. Wellington Terminal Elvtr. at Wellington, Kan. The local house formerly belonged to the Farmers National Grain Corp. The workhouse and a part of the gallery to the river was destroyed by fire in the summer of 1936.

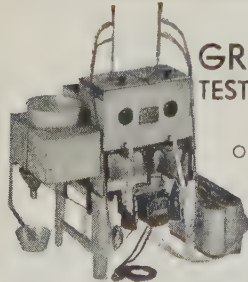
## MICHIGAN

Owendale, Mich.—The Michigan Bean Co. has added to its equipment a Nickle Hammer Mill Feeder.

Athens, Mich.—The Wolfe Grain Co. is building a 20x80 foot addition to its elevator, to be used as a feed warehouse and stockroom.

Richmond, Mich.—The Richmond Feed & Grain Co. has improved its equipment by adding a new Nickle Hammer Mill Feeder.

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Battle Creek, Mich.—Ralston Purina Co. has let a contract to the Jones-Hettelsater Const. Co. for a complete new elevator with a capacity of 300,000 bus.

Deerfield, Mich.—The Deerfield Co-op. Ass'n is installing a new grain and corn cleaner, also repairing and improving the corn sheller.—Deerfield Co-op. Ass'n, B. B. McConkey, mgr.

Owosso, Mich.—Russel Springer, 35 years of age, who has been employed on a farm near Corunna, pleaded guilty to a charge of stealing a quantity of clover seed recently and was assessed a fine of \$75, costs of \$10, with the alternative of 90 days in the county jail. When confronted with the sales slips from an Owosso elevator, Springer admitted the theft.

Pigeon, Mich.—The Pigeon Farmers Co-op. Elvtr. Co. has given a contract to George W. Vasold for the erection of an addition to its plant, which will give it a total capacity of 30,000 bus. The machinery will include two bean cleaners, one grain cleaner, one grass seed cleaner, one bean polisher, four mechanical bean pickers, 60 hand pickers, one truck lift and dump hopper. This addition will be built to the end of the elevator that was erected last year and which has a capacity of 20,000 bus.

## MINNESOTA

Clinton, Minn.—Fred Lindholm is the new owner of Frank Vander Eyk's feed mill.

Herman, Minn.—A new huller and cleaner has been installed by the Herman Roller Mills.

Waverly, Minn.—The Waverly Roller Mills has installed a Nickle Hammer Mill Feeder.

Delano, Minn.—A new 20-ton scale is being added to the equipment of the Delano Elvtr. Co.

Litchfield, Minn.—Ten new coal bins have been built by the Farmers & Merchants Elvtr. Co.

Milan, Minn.—Andrew B. Anderson, 57 years old, manager of an elevator here, died suddenly on Apr. 11.

Belgrade, Minn.—The Merchants & Farmers Co-op. Elvtr. Ass'n's plant was recently damaged by wind.

Geier Bros., Inc., Beardsley, Minn., and Taplin Grain Co., Milan, Minn., sustained wind damage late in April.

Barnesville, Minn.—A. E. Gutekunst is the new manager of the local Monarch Elvtr., succeeding H. E. Preusse.

Springfield, Minn.—T. E. Hier & Son have added to their feed plant an oat huller, a seed cleaner and a scarifier.

Madison, Minn.—The Madison Milling Co. recently installed a Bender Spur Gear type overhead electric lift in its elevator.

Buffalo, Minn.—The Peterson Feed & Implement Co. plans to enlarge its plant this season and install some new equipment.

Moose Island (Herman p. o.), Minn.—New siding is being put on the local elevator of the Lang Elvtr. Co. and general repairs made.

Appleton, Minn.—The equipment of the H. N. Christenson Elvtr. Co.'s elevator has been improved by the installation of a new cleaner.

Little Falls, Minn.—New feed machinery, including an attrition mill and mixer, have been added at the plant of the Little Falls Mill & Merc. Co.

Sandstone, Minn.—New feed grinding and mixing equipment has been installed at the plant of Nels Lundorff, who contemplates building a new mill soon.

Kerkhoven, Minn.—The driveway at the A. G. Nelson Elvtr. has been widened for the installation of a 20-ton truck scale. New coal bins are also being erected.

Buffalo Lake, Minn.—The Farmers Co-op. Elvtr. Co. is the new name of the Equity Elvtr. & Trading Co. The capital stock has been reduced from \$75,000 to \$40,000.

Olivia, Minn.—A new head drive and truck lift have been installed by the Farmers Elvtr. Co., and the entire plant will be painted before the new crop moves and minor repairs made.

Parkers Prairie, Minn.—New leg equipment and general repairs will be made at the Shoutz & Kraemer elevator here. In order to take care of increased business, a new leg will be installed in the feed mill to give additional service. A new leg will be installed in the elevator for speeding up the receiving unit. The T. E. Ibberson Co. has the contract.

Minneapolis, Minn.—D. M. Gilman, former vice-pres. of the Bagley Elvtr. Co., died May 3, at the age of 77 years. Mr. Gilman was associated with the grain trade of this city for 56 years, retiring four years ago.

Milan, Minn.—The local manager of the Monarch Elvtr. Co.'s elevator, A. B. Anderson, dropped dead on Apr. 11, a heart attack being the cause of death. He has been succeeded as manager of the elevator by Peter Erickson, of Minneapolis.

Reading, Minn.—A new 40,000-bu. elevator at this station for Cargill, Inc., has just been completed by the T. E. Ibberson Co. Cargill awarded another contract to remodel and repair a second elevator owned in this town, including a new foundation, painting and general repairs.

Fairmont, Minn.—The McCarthy Grain Co., of Minneapolis, has bot the elevator here from Musser Bros. that has been leased to Cargill, Inc., for the past three years. Musser Bros. will continue their seed and implement business here and at Alpha. They also have an elevator at Alpha.

Burr, Minn.—The Atlas Elvtr. Co. has erected a new feed and flour house at this point. J. M. Bealor is manager of the local elevator.

Stewart, Minn.—Among improvements planned at the local elevator of the Pacific Grain Co. are a 20-ton scale, new coal sheds and elevator and corn crib repairs.

Lake Lillian, Minn.—The Farmers Elvtr. Co. is making general repairs in its plant. A Clow-Winter Direct-Connected Geared Head Drive, powered with a 10-h.p. Fairbanks-Morse Motor, is being installed to operate the leg, a new distributing system will be put in, and miscellaneous minor repairs will be made. Equipment is being furnished by R. R. Howell & Co. and the work done by the Hogenson Const. Co.

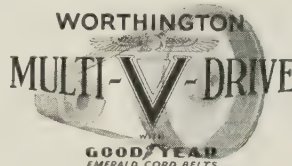
Bird Island, Minn.—The feed warehouse of the Pacific Grain Co. that was demolished by a derailed freight car last winter, as reported in the Feb. 24 Journals, is being rebuilt by the T. E. Ibberson Co. The structure will consist of a large warehouse and store building with a front fitted with store fixtures, shelving and counter. The elevator and annex will be painted with aluminum paint.

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So. Bend 38591

#### ILLINOIS

MR. J. R. NOTZ  
Deerfield  
Illinois  
Tel. Deerfield 13

MR. G. N. HOLMBERG  
332 Elm St.,  
Elgin, Ill.  
Elgin 3225

MR. R. L. KAGA  
Arcola  
Illinois  
Arcola 378

MR. R. B. MARTIN  
202 Missouri Ave.  
Peoria, Ill.  
Peoria 2-0226-M

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133 N. WACKER DRIVE

CHICAGO, ILLINOIS

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Wabasso, Minn.—The Brey-Mahal Elvtr. Co. has been organized by Dr. F. W. Brey and Joseph Mahal and a 20,000-bu. brick and tile elevator is under construction at the site where the farmers elevator once stood. A 15-ton truck scale, with a 26x9-foot platform, and a movable dump will be installed. A three-room office with a large work room will be adjacent to the 12-foot driveway. July 15 is the date set for completion of the elevator.

Wirock, Minn.—Contract for remodeling and rebuilding the elevator belonging to the Wirock Farmers Co-op. Elvtr. Ass'n has been given to the T. E. Ibberson Co. New legs will be installed and a new 20,000-bu. annex will be built. The old elevator will have a new boot pan, new foundations and new driveway and there will be a new office building. A 20-ton Howe Scale will be installed for receiving purposes, the scale being 26 feet long.

Tracy, Minn.—Extensive repairs are being made in the plant of the Farmers Co-op. Elvtr. Co. Two new legs equipped with elevator belts and Calumet Cups are being installed, powered with Clow-Winter Direct-Connected Geared Head Drives and motors. The old distributing system is being replaced with a modern double steel unit with new steel spouting, and the house is being given a general overhauling. All machinery is being supplied by R. R. Howell & Co.

Fosston, Minn.—A new 45,000-bu. elevator for the Fosston Co-op. Elvtr. Ass'n is being erected by the T. E. Ibberson Co. This elevator will have 19 bins and two legs fitted with D. P. Buckets and Strong-Scott Head Drives. Fairbanks-Morse Motors will be used. A 20-ton Howe Scale will be installed with Strong-Scott Air Dumps in the driveway for receiving purposes. A 10-bu. Richardson Automatic Scale will be used for shipping purposes. A large office will be divided into three rooms with a full basement and a heating plant.

Essig, Minn.—A new elevator and feed mill have been opened here, replacing the elevator owned by the Eagle Roller Mill Co. that burned last November. This is a combination feed grinding and mixing plant and a grain elevator in one unit, along with warehouses, store building and office rooms. The elevator legs are equipped with D. P. Buckets and Strong-Scott Head Drives. A 2000-lb. Strong-Scott Batch Mixer is used for mixing purposes and a Strong-Scott Pneumatic Attrition Mill with automatic feeders was installed. The whole plant is covered with galvanized iron and makes a very neat appearance. The T. E. Ibberson Co. designed and built the plant.

Kerkhoven, Minn.—Construction of the new feed mill for the Kerkhoven Farmers Elvtr. Co. has been started. This plant will be equipped with 10 bins and will have a large warehouse. Both the mill and the warehouse will be provided with a basement. A driveway for receiving purposes is being provided. An attrition mill with a blower system will be used for grinding feed, as well as a Jacobson Hammer Mill. A Strong-Scott Corn Cracker and Grader will be used for corn products. The whole plant is being covered with galvanized iron and is being built adjacent to the owner's present elevator. The T. E. Ibberson Co. has been awarded the contract.

Montevideo, Minn.—About 100 members of the Western Grain Men's Ass'n attended the April meeting, which was held in this city, G. H. Homme, of Kerkhoven, presiding in the absence of Pres. Wollum. New legislation affecting the grain trade was discussed, also the social security law. It was decided, after much discussion, to join with the Southern Minnesota Managers Ass'n and the Farmers Elvtr. Ass'n to go on record in making a reservation for the appearance of Sec'y of Labor Perkins at an annual picnic, this summer, to be centrally located, this because of a letter Sec'y Nelson had received from Miss Perkins, stating that she would be in the Northwest and would be available for a speaking date early in the summer. Mr. Nelson was asked to extend an invitation to Sec'y Perkins.

## DULUTH LETTER

Ice still chokes the entrance to the Duluth-Superior harbor but is loose and does not hold up the movement of boats arriving and departing. The field extends about a mile into the lake and stretches from the Minnesota to the Wisconsin shore line a distance across of about ten miles.—F. G. C.

Governor E. A. Benson has signed the dock site exchange bill recently passed by the state senate. This measure authorizes the exchange of a state owned dock site at Duluth for an adjoining waterfront property owned by the Hanna Coal Co.—F. G. C.

On recommendation of the board of directors of the Duluth Board of Trade, members of the exchange at a meeting held May 3, voted to change the contract grade of Durum wheat and grades deliverable thereon; No. 2 amber durum was made the contract grade for future delivery, and the following grades deliverable on contracts at bases given: No. 2 hard amber, 2 cents above the contract price; No. 3 amber, 5 cents under the contract price; No. 2 mixed durum, 4 cents under the contract price; No. 2 amber mixed, 2 cents under the contract price, the grades to be applicable on contracts for future delivery in September, 1937, and later contracts. Changes in the grades of durum wheat by the federal department, effective Aug. 1, 1937, caused this revision to be made.—F. G. C.

Receipts of grain for April this year ran 1,100,000 bus. ahead of last year for the same period, namely, 2,657,125 bus. and 1,555,136, respectively. The shipments showed up still larger, 3,099,127 bus. against only 977,167 a year ago. A steady and heavy rail shipping movement continues that is gradually reducing local elevator stocks. Lake shipping lags as the rate is high and boats none too plentiful. One shipper who was stuck for tonnage was forced to pay 6 cents on a cargo of wheat to Buffalo recently, but the regular rate holds firm at 5 cents. Elevator stocks are down to 8,522,000 bus., just about one-half of supplies held here at this time last year. Any urgent demand for grain would cut the holdings down rapidly, and the outlook is that not much grain will remain in the elevators by the close of the crop year, next July 31. Oats, rye and barley lead in the outloading, wheat moves slower. Some Argentine flax is expected here shortly coming up lake from Montreal, and some supplies will be railed out.—F. G. C.

## MISSOURI

Wakenda, Mo.—The Ray Carroll Co-op. Grain Growers Ass'n has installed a Bender Worm Gear type truck lift in its elevator.

Likins Bros., feed mill and warehouse, Ash Grove, and the Quaker Oats Co., St. Joseph, Mo., sustained damage by wind late last month.

Carrollton, Mo.—The Blake Grain Co. has replaced its spur gear type Bender Electric Truck Lift for a heavy duty Bender Worm Gear type lift.

St. Louis, Mo.—Members of the St. Louis Merchants Exchange held a dinner meeting at the Missouri Athletic Ass'n May 6. Short talks on topics of interest to the members were given.

St. Louis, Mo.—Harry H. Langenberg, head of Langenberg Bros. Grain Co., has been elected to the board of the St. Louis Union Trust Co. He is also a member of the First National Bank board.

Neosha, Mo.—The Valley Mill, R. C. Souders present owner, burned at 2 a. m., Apr. 20; no insurance was carried. A small amount of grain was on hand, about 100 bus. of corn, some flour and a small amount of feedstuff.

Bigelow, Mo.—We will install a new grain cleaner in our elevator here, also new loading spout and repair sheller. Will continue our lease on elevator at Fortescue, Mo. Scales have been shipped to factory for repairs. Will widen the driveway three feet at Fortescue.—J. W. Hill & Son Elvtr.

## KANSAS CITY LETTER

Hearne Christopher, son of Stanley Christopher, a senior partner, has been admitted as a junior partner in B. C. Christopher & Co., giving his time to the cash grain division of the firm. Hearne Christopher comes to this city from Omaha, where for several years he has been branch manager for the company.

A millfeed and flour brokerage office has been opened in the Board of Trade Bldg. by Harry H. Unkefer, who was formerly with the Ismert-Hincke Milling Co., of this city. Mr. Unkefer has been in the feed and flour business for a quarter of a century.

Beginning May 4, the Kansas City Board of Trade broadcasts grain market quotations from the exchange trading floor, over station KXBY, three times daily: At 8:30 and 9:45 a. m. and the close at 12:15 p. m., except on Saturdays, when the final quotations will be given at 11 a. m.

At the annual convention of the Chamber of Commerce of the United States, held Apr. 29 at Washington, D. C., George H. Davis, pres. of the Davis-Noland-Merrill Grain Co., of this city, was elected president. The Kansas City Board of Trade and the local Chamber of Commerce held an informal dinner at the Hotel Muehlebach, May 10, at which Mr. Davis was the guest of honor.

The grain grading school for country grain dealers, reported in the Apr. 28 Journals to be held in this city on May 3 and 4, the Kansas City Board of Trade and the federal grain supervision office of the Dept. of Agriculture co-operating, was attended by about 125 grain men from Kansas, Missouri and Oklahoma. Members of the Board of Trade and Martin Schuler, federal grain inspector, took part in the meetings. A banquet for those attending was held the evening of May 3.

## MONTANA

Benchland, Mont.—C. C. Swanz recently opened the Goddell Elvtr., which was closed for the winter months.

Chinook, Mont.—Chinook Lbr. Co., incorporated; capital stock, \$50,000; incorporators: Henry J. and Thomas O'Hanlon and Bernard Cain; to wholesale and retail grain, hay, coal, wood and lumber.

Bozeman, Mont.—Thomas L. Holdsworth, of Lewistown, has purchased the interest of C. W. Sweet in the Sweet Grain & Coal Co. Harry Healy is pres. and manager of the company, and Mr. Holdsworth will be sec'y and treas.

Havre, Mont.—The International Elvtr. Co. will erect a new feed mill building with full equipment, including a Strong-Scott Feed Mill and Mixer, leg equipment, corn cutter, a number of bins, together with a warehouse and a receiving driveway. In addition to this work, the grain elevator, outbuildings and warehouses will be painted. A new foundation will be put under the elevator. The T. E. Ibberson Co. has the contract.

## NEBRASKA

Glenrock, Neb.—The L. L. Coryell elevator was destroyed by fire recently.

Denmark, Neb.—The Farmers Co-op. Grain Co. has succeeded the Denmark Farmers Elvtr. Co.

Fremont, Neb.—Nebraska Consolidated Mills have let a contract to the Ryan Const. Co. to erect a truck dump shed.

Wabash, Neb.—Frank Marshall, of Weeping Water, Neb., has purchased the Wabash Grain Co.'s elevator at this point.

Beatrice, Neb.—The Pease Feed & Grain Co. has recently installed a Bender Worm Gear type electric truck lift in its elevator.

Omaha, Neb.—A 30,000-bu. elevator, owned by the Taylor Grain Co., is being moved from its present location to a site three blocks north.

Crete, Neb.—The Crete Mills will install a 2500-bu. Howe Hopper Scale with weight-lifting device, furnished by American Mch'y. & Supply Co.

Humboldt, Neb.—The Powers Bros. Sheep Co. will install a Bender Worm Gear type overhead electric truck lift in its new 12,000-bu. elevator, now under construction.

## J. H. Teasdale Commission Co.

Established 1848

Four Generations have shipped their grain to Teasdale. Almost a century of efficient grain service.

Consignments Solicited

Merchants Exchange

St. Louis, Mo.

Official Brown-Duvel  
MOISTURE TESTERS

Tag Heppenstall Moisture Meters

and a complete line of grain and seed testing equipment. Every item guaranteed up to government specifications.

HARRY B. OLSON ASHLAND BLOCK  
CHICAGO, ILL.



Pickrell, Neb.—The Pickrell Farmers Elvtr. Co. has had some repair work done on the leg and hopper scales of its plant here. The Van Ness Const. Co. did the work.

Beatrice, Neb.—Rollo Arthur, who for 20 years has been with Black Bros., is now operating a mill of his own, under the name of the Arthur Mills, making feeds, breakfast foods and flour.

Hartington, Neb.—Breaking a lock on a window, thieves gained entrance to the John Herfkens elevator early in the morning of Apr. 17 and stole a radio, an adding machine and a typewriter. The safe was not touched.

Valentine, Neb.—The Roosa Elvtr. Co.'s elevator was broken into during the early morning hours of Apr. 22, the combination of the safe broken off and the contents strewn over the floor. Nothing seems to have been stolen.

Columbus, Neb.—The 200-barrel plant of the Columbus Milling Co. has been leased by the Black Bros. Flour Mills Co. Since the burning of its Beatrice, Neb., plant last winter, Black Bros. Co. has leased several mills at different points.

Elgin, Neb.—E. Gailey, manager of the Farmers Co-op. Exchange elevator for more than 30 years, has resigned and been succeeded by John Schimek, who served under him for many years. Mr. Gailey is past 80 years of age, and his health has not been good the past year.

Auburn, Neb.—A vacant elevator northwest of this point, near Glenrock, owned by J. E. Clark, burned Apr. 24; loss, \$3,500; partly insured. Sparks from a passing locomotive were believed to have caused the fire. The elevator was built years ago by the late W. B. Flack.

Mead, Neb.—F. H. Feuerstein, manager of the elevator of the Farmers Union, Inc., for a number of years, resigned recently and has been succeeded by Frank Hackbarth, former manager of the Farmers Co-op. Co.'s elevator at Filley, Neb. Mr. Feuerstein is now living on a fruit ranch near Portland, Ore.

Beatrice, Neb.—Remodeling of the elevator of the Pease Grain & Seed Co. has been completed. The driveway was widened and additional storage capacity provided by overhead bins. A new 3-h.p. Bender Electric Truck Dump was installed and the legs and distributor were repaired in preparation for the new crop. The Van Ness Const. Co. did the work.

The Farm Credit Administration reports the sale of the following Nebraska elevators (formerly owned by the Farmers National Grain Corp.): Elevator at Dix, sold to E. H. Cortney, of Sidney; at Bushnell, to Wm. Hagemeister, of Potter; at Potter, to Colton Grain Co., of Sidney; at Oliver, to Vernon E. Linn, of Kimball; at Kimball, to Kimball County Grain Co., of Kimball.

## NEW JERSEY

New Egypt, N. J.—Fire, believed to be of incendiary origin, destroyed the feed mill of A. F. Perkins at 4 a. m., Apr. 20; loss, about \$30,000; partly insured. In addition to the 300x50-foot building, 160 tons of feed, grain and grass seed were destroyed, also valuable machinery.

## NEW MEXICO

Clovis, N. M.—One section of the Farmers Elvtr. Co.'s elevator was gutted by fire during the night of Apr. 10; loss, \$12,000; partly insured. Defective wiring was believed to have caused the fire. Robert and Sam Stone, owners of the elevator, will rebuild at once.

## ELLIS DRIERS

Known the world over for reliability and perfection of product. Direct Heat — Indirect Heat — And Steam Heat. Also . . .

A complete line of Rotary Driers and Feeders for mill and feed plants.

## The Ellis Drier Co.

2444-56 N. Crawford Ave. Chicago, Ill., U. S. A.

Clayton, N. M.—The Blotz-Henneman Seed Co. and the Henneman Grain & Seed Co. no longer operate here. The business is now known as the Tri-State Grain & Seed Co., H. A. Nachtrieb, manager. The elevator, which has a capacity of 30,000 bus., is the only elevator here. It is served by the C. & S. and A. T. & S. F. railroads.—Tri-State Grain & Seed Co.

## NEW YORK

New York, N. Y.—A. P. Youngblood, a member of the Produce Exchange, died Apr. 27 at the age of 93 years.

Fairport, N. Y.—Fire originating under an attrition mill located on the first floor of the mill of the W. H. Boyland Estate on Apr. 22 caused slight damage.

Tonawanda, N. Y.—The Eastern States Milling Corp. is starting construction of a \$225,000 addition to its feed mill, which will about double the capacity of the plant.

Utica, N. Y.—Charles H. Monnier & Son, grain and feed brokers and jobbers, has moved to the Utica Gas & Electric Bldg., this city, from Oriskany, N. Y., its address for many years.

Buffalo, N. Y.—Owing to the excellent financial condition of the Buffalo Corn Exchange, members of that body will have no dues to pay from Apr. 1 to Oct. 1, this year, paid-up cards for that period have been sent them.

Albany, N. Y.—The New York State Hay & Grain Dealers Ass'n will hold its annual convention in this city on Aug. 18 and 19. The ass'n has held its meetings in Syracuse for 30 years, with a single exception, 1935, when it met in Albany.

New York, N. Y.—New members of the Produce Exchange include L. G. Coveney, on transfer from F. A. Hoey, deceased; William H. Hine, George B. Logan, Allan Bindler, Lawrence G. Coveney, Kurt F. Schussler and Wilfred L. Wieland. New associate members are as follows: James J. Connor, Isidore B. Catz, Edward B. Polak and Lloyd M. Trafford.

New York, N. Y.—The nominating com'tee of the Produce Exchange has named the present officers for re-election, as follows: For pres., John McD. Murray; vice-pres., Robert F. Straub; treas., Clifford B. Merrit. Nominations for the board of managers to serve two years, six to be elected, are as follows: Harold L. Bache, W. S. R. Beane and Moses Cohen for re-election; A. Hanson, Charles F. Shirk and J. P. Zuurmend, new members. B. H. Wunder was nominated for re-election to the office of trustee of the gratuity fund for three years. The election will be held June 7.

## NORTH DAKOTA

Powell, N. D.—The Hubert Grain Co. sustained wind damage to its plant Apr. 24.

Luverne, N. D.—The Monarch Elvtr. Co.'s elevator was re-opened May 1, under the management of Mr. Murphy, formerly of Blabon.

Steele, N. D.—Burglars broke into the Farmers Union Elvtr. Co.'s elevator recently, by jimmying a door, broke the dial off the safe and stole all the cash, leaving the checks and drafts.

Wolford, N. D.—The Farmers Co-op. Elvtr. Co. has ordered a new 20-ton Fairbanks Motor Truck Dump Scale, with steel platform weigh-bridge, from J. M. Johnson, of R. R. Howell & Co.

Fessenden, N. D.—Contract to rebuild the Minnekota Elvtr. driveway, install a 20-ton Fairbanks Scale, rebuild the office building and do other extensive repairs has been given to the T. E. Ibberson Co. The work will be started at once.

Walhalla, N. D.—The International Elvtr. Co. will build a new feed mill here, fitted with a Strong-Scott Attrition Mill and Mixer, a corn cracker and grader unit, a number of bins, leg equipment and a warehouse. All of these buildings will be covered with galvanized iron and the work will be started at once. The T. E. Ibberson Co. has the contract.

Grafton, N. D.—A. C. Blakstad is improving the elevating facilities of his plant with the installation of a new highspeed leg equipped with Atlas Belting and Calumet Buckets. The leg will be driven with a Clow-Winter Direct-Connected Geared Head Drive, powered with a Fairbanks-Morse Motor. The order for the machinery was placed with Jack Johnson, of R. R. Howell & Co.

Denhoff, N. D.—On Apr. 24 the office stove exploded with such force that it burst the stove pipes and threw fire all over the office of the Wahl Elvtr. Co. The men were right there and used a fire bucket and put the fire out with only slight damage.

Sheyenne, N. D.—The Sheyenne Co-op. Elvtr. Co. has awarded contract to the T. E. Ibberson Co. for the building of an eight-bin, 100-foot coal shed, which will be iron clad and have a concrete floor. Two new Strong-Scott Head Drives will be installed and other general repairs made to the elevator.

## OHIO

Hemlock, O.—Charles Wolohan, Inc., has installed a Sidney Combined Sheller and Cleaner.

North Jackson, O.—The North Jackson Supply Co. has installed a new Nickle Hammer Mill Feeder.

Pleasant Hill, O.—The Farmers Exchange Co. will install a Hess No. 3 Drier in July.—G. E. Kinnison, mgr.

Covington, O.—S. J. Rudy & Son have installed several large electric motors and V-rope drives, which were furnished by the Sidney Grain Mch. Co.

Columbus, O.—New members of the Ohio Grain, Mill & Feed Dealers Ass'n are: Cole Bros. Grain Co., Greenville; Dawn Grain & Supply Co., Dawn, and the Stelvideo Grain & Coal Co., Stelvideo (Greenville p. o.).

Middletown, O.—The F. O. Diver Milling Co. has filed a petition for re-organization under the corporate re-organization amendment to the national bankruptcy laws. The company operates a flour mill, feed mill and elevator.

St. Henry, O.—The United Grain & Milling Co. has bot the elevator and mill at this point from H. E. Landman, operating as the Landman Milling Co. J. R. Klosterman will be manager. New equipment has been ordered for the plant, which will be remodeled.

## OKLAHOMA

Forgan, Okla.—C. O. Adair, of Vici, Okla., has leased the Forgan Mill & Elvtr. Co.'s plant here.

So. Coffeyville, Okla.—The Jameson Mill & Grain Co. has installed a Bender Worm Gear type overhead truck lift in its driveway.

Buffalo, Okla.—The Buffalo Farmers Co-op. Elvtr. Co. has recently improved its elevator by the addition of a Bender Worm Gear type electric overhead lift.

Custer, Okla.—The Farmers Elvtr. Co. has completed improvements at its elevator, which have increased the capacity to 70,000 bus., and is now operating the house.

### CEDAR POINT

ON LAKE ERIE

2

## BIG DATES

IN 1937

**OHIO GRAIN, MILL &  
FEED DEALERS ASS'N  
CONVENTION**

**JUNE 20-21-22**

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**NAT'L HAY ASS'N  
CONVENTION**

**JUNE 22-23-24**

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Plan to Attend These Two  
Big Events

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Write for Reservations

**CEDAR POINT-ON-LAKE ERIE**

THE G. A. BOECKLING CO. SANDUSKY, O.



Enid, Okla.—C. F. Kohl will have charge of the local office of James E. Bennett & Co., having severed his connection with the Pearlstone Mill & Elvtr. Co., of Dallas, Tex.

Fairfax, Okla.—The Stillwater Milling Co. has taken a lease on the Eberwein Elvtr. here and will operate it under the name of the Farmers Supply Co., with C. V. Fields, of Stillwater, as manager.

Okmulgee, Okla.—The old Creek Mill & Elvtr. Co. plant has been purchased by R. J. Greenwood, who will remodel it, and add a new warehouse in the near future. All kinds of feed and cornmeal will be manufactured.

Roosevelt, Okla.—The Douglas Gin Co.'s grain elevator here burned Apr. 26, together with 800 bus. of wheat, 500 bus. of oats and 2,747 bus. of planting cotton seed; loss covered by insurance. The elevator will be rebuilt at once.

Arapaho, Okla.—Have bot the Farmers grain elevator and feed business, being the only dealer here now. Will handle flour, feed, seeds, coal and all kinds of grain. Will do some repair work on the elevator, and may add a new cleaner and truck dump.—Wm. Black.

McQueen, Okla.—The S. W. Carmack Grain Co., of Gould, has started construction on a new elevator here, to be completed in time for the new crop. The machinery will all be new except the scales, which will be taken from the Gould elevator and new scales installed at Gould.

Medford, Okla.—Two 15-ton and one 20-ton scales have been purchased by the Clyde Co-op. Ass'n from the Van Ness Const. Co. The 20-ton scale is to be installed at Medford and the two smaller ones at Clyde and Renfrow. The Van Ness Const. Co. will make the installations and will also build a new office at Renfrow and repair the overhead bins of that elevator.

## PACIFIC NORTHWEST

Rosalia, Wash.—The Farmers Co-op. Co. is erecting a large grain elevator here.—F. K. H.

Union, Ore.—The Union Flouring Mills have ordered some new equipment, including a truck dump.

Rosalia, Wash.—The Harbour Grain Co. has bot the warehouse of Strausse & Co. on the Great Northern Railway tracks.

Summit, Ida.—The Gifford-Summit Warehouse Co. plans erection of an 80,000-bu. elevator, a sack house and tramway, replacing its recent fire loss.

Seattle, Wash.—Louis E. J. LaFarge, 58, Seattle grain broker, died at his home here May 2. He was affiliated with the Pacific Continental Grain Co.—F. K. H.

Newberg, Ore.—The property of the Chehalis Valley Mills, Inc., was severely damaged by fire of unknown origin on Apr. 20; loss, over \$6,000. Reconstruction will start at once.

Edwall, Wash.—New Atlas belt conveyors are being installed in the storage annex of the Edwall Grain Growers elevator by W. J. Morrell. Equipment is being furnished by R. R. Howell & Co.

Boise City, Ida.—George Daubner resigned May 1 as assistant commissioner of agriculture in charge of bonded warehouses in Idaho, after six years in that department, and has been succeeded by Jess Wade, of Ogden, Utah.

Toledo, Wash.—The Toledo Milling Co. has sold its plant and business to A. C. Riggle and A. W. Claussen, of Pendleton, Ore., who have been in the milling business for years. The new owners will mill all kinds of flour and feed.

Portland, Ore.—Hugh A. Martin, for many years manager of the country department of Kerr Gifford & Co., has resigned. It is understood he will take over and operate the company's warehouses in the Wallowa country in eastern Oregon, and will also transact a general grain business with offices in Portland.—F. K. H.

Chewelah, Wash.—Lloyd Walker, of Cedonia, has purchased the grinding mill owned by Mrs. Emma Luttrell and which had been operated a number of years by the late John P. Luttrell. Mr. Walker will continue operation of the mill.

Seattle, Wash.—J. S. Harper recently resigned as local manager of the Farmers National Grain Corp. and has gone to Portland to be the assistant of Henry W. Collins, manager of the Pacific Coast operations of the Archer-Daniels-Midland Co.

Seattle, Wash.—George Albers, 65, Seattle capitalist and a well-known milling man, died here May 2, after an illness of ten weeks. He was born in Germany and came to the United States in 1893. He moved to Portland in 1895 and became a founder of the Albers Bros. Milling Co.—F. K. H.

Portland, Ore.—Indications point to a heavy increase in acreage of flax seed. Details are being sent to the various communities by Portland Chamber of Commerce advising of the potential markets for flax seed. The only manufacturers of linseed oil in the Northwest are the Empire Oil & Food Products Co. and Archer-Daniels-Midland Co., of Portland. They can handle about 500,000 bus. of flax seed a year. The managers of these two companies, George E. Merwin of the first, and C. E. Bornkamp of the Archer Co., are members of Portland flax development com'tee of the Flax Institute of the United States. A field man, Emil W. Martin, has been employed by the flax commission to give free information to farmers.—F. K. H.

Spokane, Wash.—Manager C. M. Cook advises that com'tees of the North Pacific Grain Growers, Inc., were formulating the program under which the big regional co-operative will establish its own marketing agency, by vote of the stockholders. Marketing has been under the Farmers National Grain Corp. until last fall. The North Pacific directors voted several months ago to cut loose from the Farmers National. The action followed many months' debate of a proposed refinancing of the National by the regional co-operatives. It was stated, but not as yet confirmed, that marketing wheat of the members in Portland would be placed in the hands of A. E. Sutton, who was for many years vice-pres. of Strauss & Co., of London, grain merchants.—F. K. H.

## PENNSYLVANIA

Jamestown, Pa.—The Atlantic Feed & Supply Co. has installed a Nickle Hammer Mill Feeder.

Pittsburgh, Pa.—Following a short illness, Robert Martin, a pioneer grain and feed man of this city, died Apr. 18, at the age of 82 years. Mr. Martin, who was born in Scotland, came to this city when a youth of 19 and for 57 years conducted his business until his retirement a few years ago.

## SOUTH DAKOTA

Altamont, S. D.—The Hubbard Independent Elvtr. was damaged by wind Apr. 24.

Kampeska, S. D.—The Farmers Elvtr. Co.'s plant was damaged by wind recently.

Stratford, S. D.—Floyd Johnson has resigned as manager of the Farmers Union Elvtr. here and taken a similar position at Faulkton.

Egan, S. D.—The old elevator here known as the Quaker Oats Elvtr., was purchased by Cargill, Inc., and the T. E. Ibberson Co. is remodeling and repairing the building thruout.

Armour, S. D.—James Carlon, 71 years of age, died at his home here recently. For 46 years he has been active in the grain business and was the founder of the Carlon Elvtr. Co.

Astoria, S. D.—A new leg will be installed in the Geo. P. Sexauer & Son's elevator at this place. It will be motor driven and equipped with D. P. Buckets. The T. E. Ibberson Co. is doing the work.

Corsica, S. D.—Hoekman & Folkerts are equipping their plant with two Howell Direct-Connected Geared Head Drives powered with 7½-h.p. Fairbanks-Morse Motor.

Holmquist, S. D.—Work has started on the construction of a new 35,000-bu. elevator here by the Farmers Elvtr. Co., replacing its fire loss of March 16. The V. M. Zweber Co. has the contract.

Hetland, S. D.—The elevator of T. C. Solem has been greatly improved by the installation of a new head drive, a complete system of buckets, rewiring of the plant according to insurance requirements and rebuilding of the front and back pits.

Rapid City, S. D.—The Rapid River Milling Co. will build a 200,000-bu. concrete elevator with two legs, truck scale, cleaner and conveyors and employes' elevator. Plans have been made by Horner & Wyatt and bids will be taken May 18 at Rapid City.

Davis, S. D.—The National-Atlas Elvtr. Co. has awarded contract to the T. E. Ibberson Co. for the immediate erection of a new 40,000-bu. grain elevator. It will have slab foundation, be covered with galvanized iron, have legs with D. P. buckets and special head drives. A large warehouse for merchandising, an office and a store building will be part of the new building. A 20-ton Fairbanks Scale with Strong-Scott Dumps will be used for receiving grain. The National-Atlas Elvtr. Co. operate two elevators at Davis at this time. Both of these elevators will be wrecked. The new elevator will be built on a new site. The power thruout the plant will be furnished by motors.

## SOUTHEAST

South Boston, Va.—Mail addressed to the Banister Mills is returned by the post office marked "Not here."

Miami, Fla.—A feed department has been added to the business of the Kilgore Seed Co. here, with H. C. Hunt in charge. M. P. Reagle is the general manager of the Miami branch of the company.

## TEXAS

Booker, Tex.—A. Liske plans to iron clad his elevator.

Winters, Tex.—The C. L. Green Milling & Grain Co. is installing another Hall Signaling Distributor in its plant.

Goree, Tex.—The Goree Elvtr. Co. has installed a Bender Worm Gear type overhead electric truck lift in its elevator.

San Antonio, Tex.—One of the two warehouses of the Mueller-Huber Grain Co. was badly damaged by fire during the night of Apr. 21; loss, \$6,000.

Sanger, Tex.—The Sanger Mill & Elvtr. Co. has turned in its spur gear type Bender truck lifts on a new heavy duty Bender Worm Gear type machine.

Weeks & Bagwell, Claude; Lone Star Elvtrs., Ft. Worth; Happy Elvtr. Co., Happy, and the J. M. North Grain Co., Perryton, all sustained wind damage recently.

Greenville, Tex.—New milling equipment and a new 400-h.p. diesel engine being installed by the International Milling Co. will give the company an additional increase of 800 barrels.

Houston, Tex.—The Rogers Grain Co. has moved to its new plant on Center St., between Sabine and Silver. The company also plans on soon building large hay and peat moss storage warehouses on its property.

Houston, Tex.—The staff of the feed department of the Houston Milling Co. has been augmented by the addition of L. E. Church, formerly with the Bewley Mills, at Ft. Worth, and Herbert G. West, an Arkansas retailer.

Dallas, Tex.—W. A. Howard will become vice-pres. and general manager of the Pearlstone Mill & Elvtr. Co. here on May 15, succeeding C. F. Kohl, resigned. Mr. Howard recently resigned as manager of the Farmers National Grain Corp. at Amarillo.

Ft. Worth, Tex.—All officers and directors of the Ft. Worth Grain & Cotton Exchange were re-elected at the annual meeting held on Apr. 20, as follows: Pres., W. B. Newsom; vice-pres., R. E. Cowan; sec'y, E. B. Wooten (for the 29th time). J. C. Crouch, of the J. C. Crouch Grain Co., Dallas, is a director.

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Houston, Tex.—The Houston Milling Co. is building a 500,000-bu. addition to its elevator. The Jones-Hettelsater Const. Co. is doing the work. The new addition to the original house built by the same contractors in 1925 gives the company a total storage of 1,500,000 bus. A warehouse and feed mill is being added to the company's facilities by Tellepson Const. Co.

Seguin, Tex.—Kay Kimbell, of the Kimbell Milling Co., recently bot the Seguin Milling & Power Co.'s 600-barrel mill plant, which includes a small corn mill also, and a feed manufacturing unit having a capacity of 150 tons of mixed feed per day. Mr. Kimbell, J. P. Gibbs and Ben E. Schmidt have organized a new company, the Seguin Milling Co., which they have incorporated with a capital of \$100,000.

Arlington, Tex.—Farmers Co-op. Mills, incorporated; capital stock \$50,000; to operate a feed mill and general grain business. It is undecided whether an existing plant will be re-modeled or a new plant built. J. B. Simpson, recently with the Southwest Feed Mills, Wichita Falls, Tex., until that plant burned, is the head of the new organization and will be manager. Mr. Simpson has been active in the feed manufacturing business for a long time.

## WISCONSIN

Wauzeka, Wis.—George Culver has purchased F. B. Kedl & Sons' feed mill here.

Milwaukee, Wis.—The Milwaukee Grain & Stock Exchange adopted daylight saving hours for trading, effective Apr. 26.

Superior, Wis.—Joseph W. Conner, a former sec'y of the Wisconsin Grain Commission, died at his home in this city Apr. 14, at the age of 66 years, following a lingering illness.

LaValle, Wis.—The 40-year-old LaValle Roller Mill burned May 2; loss, \$25,000. Nearly \$1,000 in cash and checks (Saturday's receipts), which had been hidden in a sack of grain, was consumed.

Pardeeville, Wis.—A bolt of lightning started a fire which destroyed the Chandler Flour Mill and light plant on Apr. 24; loss, estimated at \$30,000. The three-story wooden structure was built in 1852.

Grantsburg, Wis.—The former Antlers Hotel building has been rented to the Frederic Milling Co. for its feed business. Feed grinding machinery will be installed in the room formerly used as a kitchen.

## Lack of Uniformity in Federal Dockage Testers

Since the federal dockage testers were installed in field offices a study of their operation with a view to getting uniform results in all laboratories thruout the country has been conducted by the grain division of the Bureau of Agricultural Economics.

At stated intervals each supervision office selects ten samples representing the average quality of wheat being handled. These samples are those on which dockage has been determined by the federal dockage tester. In this machine the coarse dockage material is removed by a step metal riddle, and the fine material by two mechanically operated sieves, screening the grain on the upper sieve and re-screening on the lower sieve the material removed by the upper sieve. A separate record is made by the district office of the weight of the coarse dockage removed by the dockage tester, the weight of the dockage material that passed thru the bottom sieve, the weight of the material recovered over the bottom sieve and the actual percentage of dockage determined.

These samples are then mailed to the Board of Review at Chicago, together with the record of the determination made in the field office. At Chicago the samples are again worked over the federal dockage tester and the Board findings recorded on the field record in the space provided for Board results.

A study of these records enables the administrative officials to judge the uniformity of operation of all federal dockage testers in the field. This study has brought to light a few cases where variations in results were found.

The General Field Headquarters of the Federal Grain Supervision now reports that "A careful study of each case was made immediately and the cause for the difference located and corrected. Very sticky lower sieves due to an oily coating, improper spring tensions and improper rate of flow thru the feed upper have been discovered as causing incorrect results. As soon as these were corrected excellent uniformity resulted.

"For dockage determinations using the fine seed sieves in the federal dockage tester the range in findings between field offices and the Board was from -0.13 per cent to +0.33 per cent. There is an invisible loss every time a sample is handled, and this accounts in part for the slightly higher findings at field offices than at field headquarters, where the sample was run a second time."

The data received on one of the recent checks, which are representative of the performance of these machines everywhere, are given in the table:

Sample No.	Office	Wt. Coarse Dockage Grams	Wt. Mtl. Thru Bot. Sv. Grams	Wt. Mtl. Over Bot. Sv. Grams	Actual Dockage Per Cent
1.	Local	2.86	9.9	1.56	1.27
	Board	2.89	10.48	0.94	1.33
2.	Local	2.89	10.3	1.22	1.12
	Board	2.98	10.6	1.15	1.28
3.	Local	2.30	10.67	1.52	1.22
	Board	2.36	11.13	0.98	1.27
4.	Local	6.18	6.58	0.9	1.27
	Board	6.20	6.77	0.5	1.29
5.	Local	2.99	5.9	0.98	0.83
	Board	3.16	6.0	0.67	0.83
6.	Local	2.57	6.35	1.09	0.89
	Board	2.62	6.6	0.67	0.92
7.	Local	3.53	6.52	1.14	1.00
	Board	3.68	6.7	0.8	1.01
8.	Local	2.71	5.36	0.7	0.78
	Board	2.81	5.5	0.48	0.78
9.	Local	11.19	4.9	0.62	1.42
	Board	11.12	4.89	0.49	1.41
10.	Local	2.51	13.79	1.52	1.59
	Board	2.69	14.31	1.07	1.66

## Trucked Freight Insurance

Shippers and the trucking industry expect the Interstate Commerce Commission decision on the suspended tariffs of the Osborn Truck Line, on which hearings were opened in Chicago last Sept. 1, to set a precedent controlling the carrying of insurance on trucked merchandise.

Suspension and the Commission case centers on a clause in the Osborn tariffs, made effective last July 25, which permits the shipper to carry his own insurance on merchandise transported by Osborn trucks, and deduct the cost of this insurance from the gross freight bills. Unfortunately this plan did not extend to all shippers. In a brief filed with the Commission the Chicago Ass'n of Commerce took the attitude that the Osborn company's suspended rules were "unlawful, unjustly discriminatory and unduly preferential and prejudicial," and asked that the suspension be made permanent.

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"has sold.....bushels of.....at..... cents per bushel, to grade No....., to be delivered at.....on or before....." It also certifies that, "if inferior grain is delivered, the market difference at which such grain is selling on day of delivery shall be deducted. Any extension of time at buyer's option."

Originals are printed on bond paper, machine perforated so they may be easily removed; duplicates are of manila. All have spaces ruled on the back for recording each load delivered on the contract. Check bound, size 5½x8½ inches, 100 sets numbered in duplicate and supplied with 4 sheets of carbon paper. Order Form 10 DC Improved. Price \$1.10, f. o. b. Chicago. Wt. 1 lb.

Triplicating book is same as 10 DC and contains 100 additional copies of the contract printed on strong tissue and 4 sheets of dual faced carbon. Order Form 10 TC. Price \$1.35, f. o. b. Chicago. Weight, 21 ozs.

## Grain & Feed Journals

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332 So. La Salle St. Chicago, Ill.



## The Role of Certain Fungi in the "Sick Wheat" Problem

R. C. THOMAS, Ohio Agri. Exp. Sta.

During seasons of excessive rainfall at wheat harvest it is not uncommon for grain to be threshed and stored with a relatively large amount of moisture present. Unless care is taken to render further aeration and drying possible while the grain is in storage, a condition known as "sick wheat" will develop sooner or later.

The term "sick wheat" signifies that the grain is distinctly low in quality for milling purposes; it is merely a convenient general description of a condition which may be produced by a variety of causes, some acting singly or in combination with others. In all cases an excessive amount of moisture must be present.

Grain of inferior quality may or may not have a musty odor. This depends upon the degree of moisture, temperature, and types of organisms present. The grain color is nearly always abnormal, varying from a blanching appearance to dark brown or "mahogany." Viability is very much lowered.

In this investigation the writer is particularly interested in some of the factors which are responsible for the low viability of "sick wheat." It is known that certain genera of fungi are nearly always present, either upon the surface or in the seed coat of the grain. If conditions are favorable for the growth of any of these fungi over a considerable period, one can readily understand that the entire grain eventually may be invaded and destroyed. On the other hand, we do not have definite knowledge regarding the possible formation of toxic substances by the action of fungi upon the bran coat of the grain.

Samples were secured from lots of grain designated as decidedly inferior in quality. Tests showed that germination had been impaired to such an extent that only about 20 to 25 per cent of the grains were viable. No musty or sour odor could be detected, but the color of the wheat was not normal, being somewhat blanching in appearance. There were no shriveled or starchy grains indicative of scab or rust damage. No brown tip or black tip discolorations were in evidence. Although the different samples varied in appearance, or shade of color, the grains of a given sample presented no marked contrast. In some cases the color variation was so slight that it could scarcely be detected without direct comparison with normal grain.

In order to determine what organisms had actually invaded the outer coat of the wheat, the grains were surface sterilized, then placed in a moist chamber or upon a medium suitable for the growth of fungi. The isolations made by this procedure yielded six different groups of fungi, represented by 13 different species and strains. These included six different species of *Penicillium*, three of *Aspergillus*, and one each of *Alternaria*, *Cephalothecium*, *Helminthosporium*, and *Fusarium*. For the purpose of determining the capacity of any of these fungi to develop toxic products in association with the outer coat of the wheat, cultures were prepared upon sterilized bran and grown for varying periods of time in an incubator at 25° C. Filtrates were rendered free from spores by passage thru a Chamberland-Pasteur filter.

Greatest toxicity was found to be developed by two strains of *Aspergillus flavus*. These belong to the yellow-green group of *Aspergilli*. They are common molds, less familiar probably because their odor is not so conspicuous as that of some other species.

Various representatives of the *Aspergillus flavus* group have been found to be common contaminants of grains, both in the field and in storage. Under ordinary conditions these fungi cause no concern; but if sufficient moisture is present and temperature is favorable, they will promptly start to grow. Since these organisms are widely distributed, their presence may be anticipated in cases of wheat spoilage, particularly in the bin. They grow well on the

bran coat of the grain but much better upon other mill products which are rich in starch and sugar. Spores of these molds may be carried through in the milling process and become a troublesome source of contamination in bakeries.

It is evident from this study that there is a great difference in the toxic effect of the by-products of growth of various fungi, including molds, upon the viability of wheat. All of the organisms used have been found to be commonly associated with grains both in the field and in storage. This association becomes significant only when the moisture content of the grain is high and the temperature favorable for mold growth. Two strains of *Aspergilli* have been found to elaborate toxic products when grown upon bran. The toxicity of these products was demonstrated by the reduction of viability of normal wheat.

## Inquiry Fails to Find Explosion Cause

A coroner's inquest into the deaths of the eight employees of the Charles A. Krause Grain Co. who lost their lives in the dust explosion and fire that wrecked the company's corn processing plant at Milwaukee, Wis., on April 10, failed to find the cause for the \$1,250,000 disaster.

A great deal of testimony taken from engineers of the Wisconsin Fire Insurance Rating Bureau, industrial commission inspectors, company officials and company workmen, generally considered the explosion to be one of grain dust, but no witness expressed an opinion on the cause or the point at which the blast started.

E. A. Longnecker, engineer in charge of the plant, testified that he was unable to reach definite conclusions on the cause of the explosion, even after repeated exploration of the ruins. Replying to a question on the safety equipment in the plant, Mr. Longnecker detailed a long list of plant alterations, and explained that workmen had started replacement of the entire electrical wiring system shortly before the blast.

"I call attention to the fact that no matter how many steps you take for safety, things happen in a mill that you never look for. We've spent more than \$5,500 on guards and hoods. I am confident there was not an unguarded point and that none of the equipment used was substandard. It is difficult to understand this explosion or fire. We had the best magnets used to pull out foreign metal objects, traps and ducts, and 34 powerful fans, along with a suction system. We've gone further than the State Industrial Commission or the insurance inspection boards have demanded."

On Feb. 10, this year, admitted Mr. Longnecker, insurance rating bureau engineers investigated the plant and made 29 specific recommen-

dations. John B. Wilkinson, chief engineer of the rating bureau, testified that an inspection in July, 1936, caused the fire insurance rating of the plant to be dropped from good to fair.

Fire insurance carried by the Krause company totaled \$1,215,000; use and occupancy insurance, \$700,000. The loss is estimated at a total of \$1,250,000.

## Well Equipped Elevator at Lexington, Neb.

After the burning of his elevator and feed grinding plant in February, 1936, Albert A. Kjar erected a 20,000-bu. cribbed house at Lexington, Neb., in connection with the office, warehouse, large hay barns and coal sheds which were not destroyed. And more recently he has built an additional fireproof office and warehouse, to handle his large business in hay and alfalfa seed. This season seven carloads of alfalfa seed have been shipped. During the first three weeks after harvest the plant was operated 24 hours a day.

Mr. Kjar in 1931 purchased the old farmers elevator after the business had been run down to almost nothing, and after adding some new equipment built up a good business. His fellow citizens think so well of him and his methods that they have now elected him mayor of the city of Lexington.

The elevator has a heavy reinforced concrete foundation. All bins are hoppered and the four main side bins, cleaner pit and dump pits have concrete hoppers. The grinding plant is built attached to the elevator and has five service bins above a 50-h. p. Blue Streak Hammer Mill. Grain is spouted directly from the head of the elevator to the supply bins over the grinder.

The elevating equipment consists of one 7½-h. p. totally enclosed BB G. E. Motor direct connected to a Winter Head Drive, a roller bearing boot and 11x6 Minneapolis V buckets on heavy 12" cup belt. A 7" Hall Distributor and steel spouting distributes the grain to all bins at the elevator head. A 4-bu. Richardson Automatic Scale weighs the grain thru a steel direct spout to the car. A man-lift operates from the work floor to cupola floor. A No. 33 Cleaner is installed in the work room driven by a Fairbanks-Morse Enclosed Motor. This same motor drives the Curtis Air-Compressor for the 72" Winter Truck Lift. A long steel grate takes care of the long as well as the short trucks. All bins have steel gates operated from work floor.

The wiring for lights and power is in rigid conduit, bonded and grounded. The outside building covering is galvanized iron, and is grounded for lightning connection.

The elevator was designed and erected by the W. H. Cramer Construction Co.



20,000 bu. Elevator of Albert A. Kjar, Lexington, Nebr.



## Grain Carriers

**Columbus, O.**—Amended substitute house bill 292, conforming the Ohio utilities law with the federal motor carrier act and clarifying the utilities statutes, has been passed by the Ohio senate.

**Chicago, Ill.**—A milling concern on May 10 paid 3¼c a bu. to move a cargo of wheat from Chicago to Buffalo by lake, the highest rate paid since the War when the grain administration fixed the rate at 3½c.

**Fort William, Ont.**—Outbound navigation opened April 17 when five grain boats cleared the harbor, to be followed the next day by a sixth, carrying an aggregate of 1,669,000 bus. of wheat, oats and barley.

**Boston, Mass.**—Steamer Helgoland docked at Boston Apr. 21 with 49,864 kilos of wheat pollard, 50,554 kilos of wheat bran, 156,400 kilos of corn feed meal and 207,745 kilos of corn feed from the Argentine.

**Washington, D. C.**—Grain and grain products were loaded into 29,583 cars during the week ended April 17, compared with 30,180 during the same week a year ago, reports the Ass'n of American Railroads.

**Washington, D. C.**—Loadings of grain and grain products during the week ending Apr. 24 totalled 28,217 cars, a decrease of 4,889 cars under the corresponding week in 1936, but an increase of 1,226 cars over the same week in 1935.—Ass'n of American Railroads.

**Chicago, Ill.**—The Illinois Central railroad has petitioned the Illinois Commerce Commission for authority to institute truck service in five directions out of Carbondale, Ill., in an effort to facilitate l.c.l. freight service to traffic centers in the southern part of the state. Present facilities, it points out, do not provide morning delivery of l.c.l. commodities.

**Chicago, Ill.**—A Senate com'te has recommended passage of the "Train Limit" bill to limit the number of cars that may be carried in one train to 70. "The effect," declared C. D. Morris of the Western Railways Com'te on Public Relations, "will be to increase the unit cost of freight and in no way add to the safety in freight service." Shippers will pay more for transportation.

**Montreal, Que.**—First grain to leave this port for overseas this season was approximately 120,000 bus. of wheat in the holds of the Andania and 42,000 bus. in the Duchess of York, both passenger liners that sailed Apr. 23. The first full cargo of outbound grain was fixed for the British tramp Tre-lissick, which arrived the same day with a cargo of corn from the Argentine.

**Chicago, Ill.**—In the first one-third of this year car loadings increased 15.4%. On the basis of a 15% increase peak loadings next October will be 945,000 cars a week, or 120,000 cars more than in October, 1936. The figures indicate a car shortage, even if no additional cars were to be retired, and all cars available are distributed, loaded and moved as efficiently as practicable.—Railway Age.

**Springfield, Ill.**—Senator John W. Fribley has introduced a bill in the assembly to place all intrastate contract trucks under the jurisdiction of the Illinois Commerce Commission. Patterned after the federal Motor Carrier Act of 1935, the bill, it is believed, will give control over approximately 2,400 contract trucks in intrastate operation. Required by the bill are commission permits, schedules of minimum rates, and limited hours for drivers. Brokers are included in the control provision.

**Buffalo, N. Y.**—Proposed to eastern trunk lines, and under consideration, is application of the water competitive rate of 34½c per cwt. on imported mustard seed to Green Bay via standard rail-cross lake-and-rail-lake and rail routings, including canary and clover seeds in the rate authorized on canary, mustard, rape and poppyseed from north Atlantic ports to Chicago, Milwaukee and Detroit.

**Chicago, Ill.**—Hearings on the so-called heavy basic commodities rates involved in the reopened ex parte 115 were concluded here Apr. 29. Three additional regional meetings will be held, Salt Lake City on May 20, Los Angeles on May 24, Portland, Ore., on June 2. These hearings, in which the railroads seek an upward revision of freight rates, began in Washington early in January.

**Omaha, Neb.**—An additional charge of 3c per 100 lbs. on grain and grain products received at Omaha and South Omaha, Neb., and Council Bluffs, Ia., for transit to the North Pacific territory on the Union Pacific railroad has been reinstated by the Interstate Commerce Commission. This is an addition to the proportional rates from Sioux City to the same territory. Stated reason for the order is to equalize costs of shipping grain from the Sioux City and Omaha areas.

**Minneapolis, Minn.**—Federal Master in Chancery Howard S. Abbott offered the Minneapolis & St. Louis railroad for sale for the 17th time on May 7. Federal regulations require prospective bidders to file qualifications 48 hours before the sale, but up to shortly before the deadline none had appeared. The original decree of foreclosure and sale was dated Jan. 8, 1929. No one has been found yet who is willing to assume responsibility for the road's liabilities and continued operation. Too much governmental interference.

## Motor Truck Ferry to Michigan

Articles of incorporation have been filed at Lansing, Mich., for "Lake Michigan Motor Ferries, Inc."

The incorporators plan a motor truck ferry service across Lake Michigan, between Chicago and Grand Haven, and Milwaukee and Grand Haven, to be launched as soon as modern ferry boats, with high speed turbo-electric motors, can be built. Named in the list of incorporators are A. J. Whipple, Lee N. Rogers, A. D. Abernathy, Leatham D. Smith, K. N. Walker, A. L. Colton, and Walter S. Syrett.

The new vessels are expected to have special provision for truck containers, so that firms with sufficient volume of business may ship loaded trailers across the lake, picking up with tractor trucks for delivery to consignees.

## To Standardize Grain Doors

Grain doors will be standardized at 6½ ft. long in the future, according to advices of the Western Weighing Ass'n. Heretofore grain doors have come in both 6 and 7 ft. lengths.

Present day grain doors are usually made of fairly soft wood, to prevent nailing troubles and so they can be reclaimed for repeated use.

## Grain Door Charge Lowered

The railroad charge for installing grain doors for bulk grain loading has been ordered by the Interstate Commerce Commission to be established at not to exceed 60c per car, effective not later than July 20.

This reduction from \$1 per car was ordered in No. 27284, Chicago Board of Trade v. Abilene & Southern, in which several similar complaints were joined.

## Rebates for Car Spotting Allowable

The Interstate Commerce Commission is without statutory authority to order railroads to discontinue making terminal allowances to industries who perform their own car spotting services, said a three-judge federal district court at New Orleans, enjoining the order issued by the Commission in May, 1936.

An industry doing its own "spotting" entered a contract with the carrier to perform this portion of a carrier's duty, acted as agent for the carrier, and was consequently entitled to recompense, said the court.

Several industries at New Orleans own track-age and equipment within their plant grounds, handle loaded cars within their plants, and spot empty cars back on the lines of the carrier, receiving amounts published in the carriers' tariffs for this service.

When the Interstate Commerce Commission issued its order nearly a year ago a storm of protest was raised by industries. A federal court in the western district of Pennsylvania held that terminal allowances were within the law and outside the jurisdiction of the Commission.

The government and the Interstate Commerce Commission have taken an appeal on the injunctions to the Supreme Court, where the issue is now under advisement.

**Washington, D. C.**—Oliver Bros., Inc., New York City, has challenged constitutionality of the Robinson-Patman anti-price discrimination act in answer to charges of the Federal Trade Commission. The effect of the act, said the company, is to deprive it of liberty in making normal contracts, and was therefore a violation of the fifth and tenth amendments to the constitution.

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# Field Seeds

**Brodhead, Wis.**—Clay N. Edwards has purchased the seed and feed business of Parker J. Newman.

**Fargo, N. D.**—The state seed testing laboratory reports receipt of an unexpectedly large volume of seed samples for testing this spring.

**Joplin, Mo.**—Charles Kelso has bought the Oakley-Pate Seed Co. property and will continue its operation under his own name.

**Evansville, Ind.**—Ernest Michel, 42, long associated with the J. A. McCarty Seed Co., died at a local hospital May 3rd.—W. B. C.

**Pasco, Wash.**—A new seed and feed store was opened here Apr. 24 by Chisholm Grain & Feed Co. Walla Walla is headquarters for the company.

**Milford, Ill.**—Crow's Hybrid Corn Co. has been incorporated by A. F. Crow, C. E. Johnson and N. Crow, with 100 shares of no par value common stock, to grow and process hybrid seed corn.

**Corydon, Ind.**—Jesse S. Smith has opened a new seed and implement store. His son, Jay Franklin Smith, will be associated with him. Mr. Smith has been manager of the V. H. Bulleit Implement & Seed Store, now closing out.—W. B. C.

**Roseville, Ill.**—J. J. Kritzer, Monmouth attorney, has been appointed trustee for Pratt Seed Farms, which operated a field seed business here. Dale Watson, associated with the late Isaac Pratt for 12 years, will be manager.—G. H. R.

**Lafayette, Ind.**—An intensive three-weeks' course in seed testing will be offered at Purdue University from July 5 to July 24, as a part of the regular summer session. Laboratory work will be supplemented with field trips and lectures. Enrollment is limited.

**Philadelphia, Pa.**—Edward J. Flood, vice-pres., Robert Buist Co., oldest Philadelphia seed house, died at his home in Germantown on Apr. 14. He had been associated with the company since 1882. Surviving are his widow and his son, Edward A., who is sec'y of the company.

**Cleveland, O.**—A special Ohio Seedsmen's Welcoming Com'te will serve during the convention of the American Seed Trade Ass'n here June 14-17. It is made up of the executives of the 20 Ohio seed companies who are members of the national ass'n. A. W. Livingston, Columbus, is chairman.

**St. Louis, Mo.**—"Doctor" Albert Miller, 73, purveyor of the "Herbae Mira" lawn grass seed fraud, was taken into custody by St. Louis police on Apr. 21. "Doctor" Miller peddled grass seed which he guaranteed not only to grow but to stop growing before the lawn mower needed to be used. He is reported to

have served a year in the Joliet, Ill., penitentiary on the charge of a Peoria, Ill., customer who found his grass, when it grew, was similar to his neighbors'.

**Lafayette, Ind.**—Indiana's Canada thistle law has been revised to combat spread of the weed. Outstanding points are that the thistles must be cut or chemically killed when the plants are in bud or within five days from the time the first bloom appears; owners or occupants of the land are held responsible for control measures; township trustees are required to notify responsible parties by registered mail if they fail to control the weed; owners knowingly permitting thistles to mature on their property may be fined \$10 for the first offense, \$20 for second.

**Jackson, Miss.**—R. B. Buchanan Seed Co., Memphis, Tenn., has brought suit for \$10,000 damages against J. C. Holton, Mississippi's commissioner of agriculture, because it was denied a permit to do business in Mississippi on a charge of violating the Mississippi pure seed act. Also named as defendants in the suit are the United States Fidelity & Guaranty Co., surety bondsmen for Holton, and Allan McClure, Mississippi's chief seed inspector. The complaint alleges the state's seed law is unconstitutional, and that Holton acted without legal authority.

**Princeton, Ill.**—Assured that electric power will be available to operate an elaborate system of conveyor belts, the Illinois Hi-Bred Seed Corn Co. has decided to go ahead with its plans for construction of a new 28x294 ft. handling and drying plant. The building will have 23 bins, each having capacity for 1,200 bus. of sorted ear corn. Machinery will dry, grade and sack the kernels, and the plant is expected to employ 65 men during the peak of operation. Construction is in charge of Frank Christiansen. J. F. Lower is manager. The main plant of the company is at Durant, Ia.

**Spokane, Wash.**—Articles of incorporation have been filed in Olympia by the National Dry Pea Dealers' Ass'n, with headquarters here. This trade organization, formed last January, acts in the interests of the dry pea and pea products industries in such matters as obtaining uniformity of contracts with growers. Temporary officers are C. B. Pyle, Cleveland, Ohio, pres., and E. E. Davidson, Moscow, Ida., sec'y. Permanent officers will be elected at a meeting to be held soon in Spokane. Incorporators are C. C. Whealy, Spokane; W. R. Wallace, Pullman; Herman Wilson, Moscow, Ida.; R. R. McGregor and H. D. Trunkey.—F. K. H.

## Watch Seed Purchases

"Buyers and users of seed corn should be very careful in purchasing seed this spring," advises North Dakota's seed commissioner, E. M. Gillig.

"North Dakota is fortunate in having a goodly number of permanently established wholesale and retail distributors of seed who can be depended upon to deliver suitable seed and to comply with the seed law. Every year, however, and this year in particular, certain peddlers, truckers and temporary dealers are selling seed, the quality of which is very uncertain, and on which some very deliberate misrepresentations are being made.

"Agents of the Seed Department, out in the state to check up on the corn traffic, are finding much corn to be misrepresented as to origin, quality and variety. The germina-

tion in many cases is lower than represented, and much of the corn handled by the transient dealers is being trucked in from southern Minnesota, and elsewhere."

## Western Seedsmen Re-elect Officers

Over 70 seedsmen, gathering in the ball room of the Paxton hotel, Omaha, Neb., April 24, for the 37th annual convention of the Western Seedsmen's Ass'n, re-elected all officers to succeed themselves. They are Pres. John W. Mathys, Minneapolis; Vice Pres., Earl M. Page, St. Louis; Sec'y, E. H. Sexauer, Brookings, S. D., and Treas., Henry G. Windheim, Omaha.

The convention approved the membership applications of C. H. Appel Commission Co., St. Louis, Mo.; Associated Seed Growers, Inc., New Haven, Conn., and Clarke & Keller, Shawnee, Okla.

In his annual address Pres. Mathys said:

### PRES. MATHYS' ADDRESS

"The Western Seedsmen's Ass'n was organized in 1899 by nine firms, who were for several years its only members.

"As a matter of fact, the ass'n went along for a dozen or so years with only twelve to fifteen members. It had no written by-laws until a set were adopted at the annual meeting one year ago.

"The ass'n now has 89 members. I am hopeful that before this year is over it will exceed 100.

"Probably at no time has the seed industry required closer attention than at present. At no time has there been a greater need for cooperation and for attempting to work out common problems in a group rather than individually. The state seedsmen's organizations have done and can do even more good than they have in the past. They can work either thru regional ass'ns or the American Seed Trade legislative com'te. I would recommend that the Western Seedsmen's Ass'n have a permanent com'te on legislation. This would afford a clearing house for and would mean that the legislative problems would have prompt and careful attention by a group experienced in matters of this kind. "I do not feel competent to analyze the farm seed situation except to say that, on the whole, stocks are low and that we are dependent upon new crops for future supplies and requirements."

Members and guests were supplied with an appetizing luncheon by the ass'n, during which no speeches but plenty of good fellowship prevailed.

An enjoyable evening banquet followed an afternoon devoted to garden topics. Entertainment features was a quartet of stringed instruments brought from the Henry Field radio station by John Nicolson.

**Chicago, Ill.**—The Corn Millers Federation has prepared a folder urging farmers to plant more white corn. White corn earned an average premium of 4½¢ a bu. over yellow corn during 1936, due to short supplies.

## Seed Movement in April

Receipts and shipments of seeds at the various markets during April, compared with April, 1936, in bushels, except where otherwise indicated, were:

	Receipts		Shipments	
	1937	1936	1937	1936
<b>FLAXSEED</b>				
Chicago	.....	101,000	71,000	81,000
Duluth	.....	84	.....	.....
Ft. William	100,775	32,438	90,277	1,176
Minneapolis	89,640	178,060	9,580	108,170
New York	519,000	380,000	.....	.....
Superior	.....	827	.....	.....
<b>KAFIR AND MILO</b>				
Hutchinson	2,200	4,400	.....	.....
Kansas City	58,800	84,000	42,000	57,600
Wichita	.....	2,600	.....	3,900
<b>CANE SEED</b>				
Ft. Worth	13,200	5,500	11,000	.....
Kansas City	8,400	30,800	600	4,200
Wichita	.....	2,600	.....	.....
<b>SORGHUMS</b>				
Ft. Worth	63,800	191,400	96,800	89,100
<b>CLOVER</b>				
Chicago, lbs.	211,000	739,000	262,000	259,000
Milwaukee, lbs.	43,300	132,515	83,315	998,093
New York	.....	.....	934	1,690
<b>TIMOTHY</b>				
Chicago, lbs.	698,000	446,000	972,000	1,040,000
Milwaukee, lbs.	32,000	728,366	125,805	585,601
<b>SOYBEANS</b>				
Chicago	267,000	814,000	95,000	182,000
Peoria	4,200	64,400	.....	.....
Toledo	88,200	.....	.....	.....

## Directory

### Grass and Field Seed Dealers

**CRAWFORDSVILLE, IND.**  
Crabbs, Reynolds, Taylor Co., clover, timothy.

**GREEN SPRINGS, OHIO**  
The O & M Seed Co., seed merchants.

**PAULDING, O.**  
Stoller's Seed House, wholesale field seeds.

**ST. LOUIS, MO.**  
Mangelsdorf & Bro., Ed. F., wholesale field seeds.  
Scott, T. Maurice, field seeds, carlot originator.

**SAULT STE. MARIE, MICH.**  
Soo Terminal Co., grass, flax, peas.

**SIOUX CITY, IOWA**  
Sioux City Seed Co., seed merchants.



## New Seed Trade Marks

**Katz Drug Co.,** Kansas City, Mo. No. 388,943. Circle inclosing representation of a mission church and the words, "Old Mission." For grass seed.

**Southern States Co-operative, Inc.,** Richmond, Va. No. 387,522. "Southern States Co-operative SSC Quality," against a suitable angular background. For flower, field and garden seeds.

## Indiana Hybrid Tests

New and improved strains of hybrid seed corn will be compared with the best local varieties in 142 corn variety demonstrations to be conducted this year in 77 counties of Indiana, announces Purdue University.

Thousands of Indiana farmers have been influenced to buy hybrid seed because of its ability to outyield local strains of corn and because the corn stands better. In 72 variety demonstrations last year hybrids outyielded local strains by an average of 24.6 per cent.

For the purposes of carrying on these demonstrations, the state is divided into three regions based largely on climatic differences. In this way it is possible to determine the adaptation of the newer hybrids so that when they are produced commercially they may be used where they are best suited.

More than 25 different hybrids are being used in the demonstrations this year. These hybrids are all known as double crossed seed.

## Seed Germination in Iowa

Seed of most Iowa crops should germinate very satisfactorily this year, declares R. H. Porter, head of the Iowa State College Seed Laboratory, basing his prediction upon germination tests made by the laboratory.

The bulk of the samples of seed corn received has tested 90 per cent, although a few samples have tested below 80.

The germination of oats and barley is superior to that of the 1935 crop. There has been less disease-infected grain received, and the bulk had a germination of between 85 and 98 per cent. Because there was a good deal of smut present in fields of small grain last year it will be advisable to treat seed. A half ounce of the new, improved Ceresan per bushel makes an effective dust treatment.

Flax is germinating slightly better than last year, the germination ranging between 50 and 90 per cent.

Sixty-five per cent of the soybean samples have shown a germination of 90 per cent or above. Nineteen per cent have germinated between 80 and 90 per cent strong, while the remainder have tested 80 per cent and lower. On an average, about 85 per cent of the samples germinate 80 per cent strong or more.

The bulk of the timothy seed received at the

laboratory has germinated 90 per cent, which is above average. Samples of alfalfa seed have shown much more hard than was present other years.

Samples of sweet clover seed this year show a high percentage of hard seed, and all seed should be scarified before it is planted.

Most of the red clover seed is germinating between 75 and 85 per cent, depending on the age of the seed.

## International Seed Testing Program

K. Dorph-Petersen, director of the Danish seed testing station, and pres. of the International Seed Testing Ass'n, has released the tentative six-day program for the 8th international congress and assembly of the ass'n.

The meetings will be held in the Eidgenossische Technische Hochschule in Zurich, Switzerland, and extend from June 29 to July 3. Excursions planned to follow the meeting will visit several plant breeding institutions and seed growing farms in Switzerland.

During the first three days of the Congress about 25 technical papers on seed testing and the reports of 11 com'tes will be heard. Important among the reports will be that of the research com'te, dealing with international seed testing rules, upon which international certificates are based. Efforts are being made to unify and simplify the rules.

The U. S. Circuit Court of Appeals has taken under advisement the appeals by members of the Chicago Board of Trade and the Chicago Mercantile Exchange from the district court decision upholding the validity of the Commodity Exchange Act.

## Foreign Corn Enters Chicago

Five cargoes of Argentine corn entered Chicago with a total of 700,000 bus. on May 1. Shrouded in secrecy while enroute, ship clearances showed that all were to discharge into the Norris elevator. The vessels were the John B. Richards, from Three Rivers, Canada, and the F. V. Massey, from Comiscliffe Hall, William Schutt and Oakton, from Montreal.

On Thursday, May 6, Chicago had its first look at South African corn since 1935. The steamer Eads brought in a cargo of 180,000 bus., for resale to mid-west industries. It graded No. 1, white. The kernels of South African corn are almost twice the size of kernels of domestic corn. Flat, and very high in starch, South African corn is particularly suited to the manufacture of breakfast foods.

Altho only one cargo of South African corn has found its way to the Chicago market, Argentine corn has moved into the middlewest in considerable volume and is reported to have literally captured the coast markets. During the last eight months almost 50,000,000 bus. have been imported from our South American neighbor to fill the shortage in the domestic crop left by the drouth and reduced acreage. Altho smallkerneled, and of hard, "flint" varieties, less desirable to livestock when fed whole than is domestic corn, Argentine corn analyzes practically the same, and is considered interchangeable in the manufacture of poultry feeds, and for industrial uses.

## From Abroad

**Ankara, Turkey.**—A shipment of grain from Turkey to the Netherlands is to pay for installation of a radio station, irrigation system and harbor works at Heraden, Adana and Mersina by a group of Netherland manufacturers at a cost of 35,000,000 guilders, according to an agreement they have made with the Turkish Government.

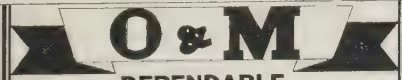
**Buenos Aires, Argentina.**—With an exportable balance of wheat now placed at only 994,184 tons, the Argentine Grain Board is expected to impose restrictive measures in the near future. With favorable conditioning weather, Argentine corn exports are increasing sharply, reaching 149,861 tons weekly late in April.

**Liverpool, Eng.**—The 84th annual report of the Liverpool Corn Trade Ass'n, Ltd., pleads for opening of barriers to international trade and lowering of tariffs "which now segregate the nations." It recommends abandonment of the levying of a duty of 6d per bu. on Canadian wheat moving to England when the grain moves thru ports of the United States.

**Calcutta, India.**—India's first official estimate of the 1937 wheat crop placed at 382,331,000 bus. as compared with the revised first estimate for 1936 of 362,133,000 bus. and the final figure of 352,240,000 bus. Third estimate of area sown, 33,359,000 acres, slightly above earlier estimates but under the corresponding estimate of last season, revised to 33,666,000 acres.—Director of Statistics.

**Buenos Aires, Argentina.**—Completed figures for the first four months of Argentine exports for the last twelve years show that the average, in bus., is 30,442,577. Shipments during January/April of 1937 are second largest for the 12-year period, amounting to 35,916,109 bus. The only year in which exports were larger was 1929, when 38,019,885 bus. were exported. According to Broomhall's figures, the remaining exportable surplus from the Argentine and Uruguay is at present slightly over 32,000,000 bus.—Archer-Daniels-Midland Co.

**Turkey.**—Grain elevators in existence and in the course of construction in Turkey have a combined capacity in the neighborhood of 100,000 metric tons. Elevators built during the past two or three years include those in Ankara, Sivas, Konya, Eskisehir, Denizli, Akshehir, Balikesir, Yerkoy, Safranbolu and Gelikli. The 1936 program of construction called for the erection of elevators in the Afyon, Polatli, Yerkoy and Orman districts, while the 1937 program calls for construction of storage facilities in the Diyarbekir, Kutahya, Sarikisla, Akshehir, Nigde, Beylokan, Baladiz, Sarayonu, Denizli, Zile and Tekirdagh districts. Commercial Attache Julian E. Gillespie, Istanbul, advises that the grain elevator construction program is under the direct control and supervision of the Turkish Agricultural Bank.



**O & M**

**DEPENDABLE**

FIELD CORN	SWEET CORN
SEED OATS	SEED BARLEY
GARDEN SEED	GRASS SEED

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GROWERS GREEN SPRINGS, OHIO

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Buyers and sellers of  
Sweet Clover, Alfalfa, Lespedeza, Clovers, Timothy, Grasses, Fodder, Seeds, Sudan Grass, Soy Beans, Cow Peas  
St. Louis, Missouri

**CRABBS REYNOLDS TAYLOR CO.**

CRAWFORDSVILLE, IND.

**GRAIN**

**Clover and Timothy Seeds**

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**Farm Seeds — Seed Corn**

HARDY NORTHERN GROWN

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**NORTH AMERICAN SEED COMPANY**

Milwaukee, Wisconsin

## FIELD - GARDEN LAWN SEEDS

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## SIoux CITY SEED CO.

SIoux CITY, IA.	SIoux FALLS, S. D.
CARROLL, IA.	FAIRMONT, MINN.
ALGONA, IA.	ALBERT LEA, MINN.
NORFOLK, NEB.	BILLINGS, MONT.



## Patents Granted

**2,071,267. Grain Cleaner.** Christian Schneider, Vegreville, Alta., Canada. A machine of the character described comprising an upper set of sieves adapted to separate smaller grains from larger grains, a lower screen, means for directing a blast of air between the upper set of sieves and lower screen, an extension sieve attached to the lower end of the top sieve member adapted to pass the larger grains, conveyor troughs disposed beneath said set of sieves and an adjustable deflector board for directing the smaller grains discharged from said sieves into said troughs or into the stream of larger grains passing through said extension sieve.

**2,067,321. Pneumatic Separator.** Albin Berthold Helbig, Kaiserslautern, Germany, assignor of one-half to Victor Balzar Reichwald, Kent, Eng. A pneumatic separator comprising in combination a non-rotating vertical feed spout, a vertical shaft extending through said spout and having clearance around it for passage of the feed, a distributing disk fixed to the lower end of said shaft, a fan having a hollow hub surrounding said spout, a roller bearing surrounding said spout and supporting said hollow hub, driving mechanism for said fan located wholly outside said spout, and driving mechanism for said vertical shaft separate from said fan driving mechanism.

**2,071,908. Grain and Seed Separator.** William A. Van Dyke, Forest Grove, Ore. In a separating machine of the class specified, an apron, a tubular member mounted thereabove, a supply chute connected at one open end thereof, an overflow chute connected at the other end thereof, a spiral conveyor operating therein, the bottom of said tubular member being provided with a number of large and small alternating apertures, and a slide in conjunction with said tubular member provided with apertures slidable into register with the large or small apertures in the tubular member.

**2,074,804. Belt Conveyor.** Tage Georg Nyborg, Worcester, Eng., assignor of one-half to the Mining Engineering Co., Ltd., Worcester, Eng. A frame construction for a belt conveyor comprising in combination roller frames having sockets formed therein by the butting of the open ends of pairs of U-shaped members, side plates having the upper portion thereof located within the roller frames and the lower portion thereof located outside the roller frames, and pegs carried by said side plates, engaging in said sockets to locate said side plates relatively to said roller frames.

**2,071,705. Weight Indicator and Recorder.** Leonard Ober, Baltimore, Md., assignor, by mesne assignments to Controlled Weights, Inc., Baltimore, Md. The combination with a weighing device, of means actuated when an increasing load on the weighing device approaches a predetermined amount and operating to give an amplified indication of the approach of the load to said predetermined amount, fixed contact means, contact means moved with said actuated means and cooperative with the fixed contact means for circuit closing, one said contact means having individual contacts separated by insulation from one another at a point corresponding to the indication of said predetermined amount, the other said contact means having a lesser width than the corresponding dimension of said insulation, means operative for recording the total number of weighing operations, and separate circuits each including one of said individual contacts and each including a separate recording device for recording whether the load at each said weighing operation is over or under a predetermined range of tolerance including said amount, said insulation being effective to prevent operation of said separate recording devices when the load is within said predetermined range of tolerance.

**2,073,553. Grain Drier.** Karl Dienst, Hildesheim, Germany. An apparatus for drying grain, comprising an upright shaft having a grain supplying chamber near its top, a grain delivering chamber near its bottom, a vacuum chamber intermediate the said top and bottom chambers, evacuating means for said vacuum in chamber, means for opening and closing said vacuum chamber relatively to said supplying chamber, the said vacuum chamber comprising three sec-

tions located one above the other and continuously communicating with one another, and heating means for the intermediate section, the upper-most section being constructed for storing the grain, the intermediate section for evaporating the humidity of the grain, and the lowermost section for continuously receiving the dried material from the intermediate section, and automatic intermittently-acting means for supplying the grain to be dried and for causing the dried grain to be delivered from said lowermost section in which said opening and closing means and said intermittently-operating means each comprises a cylindrical vertically movable slide valve.

**2,074,085. Magnetic Separator.** Samuel G. Frantz, Princeton, N. J. A magnetic separator, comprising a magnet coil energizing a magnetic circuit, a casing located in a gap in said circuit and adapted to receive a liquid stream and confine its flow substantially entirely through said gap, said magnetic circuit being closed except for said gap, a plurality of openly spaced elongated magnetizable members arranged transversely of the flux path and distributed throughout the transverse section of the casing and distributed for a substantial distance in the direction of the flow stream, so that a cross-section taken through said casing normal to the length of any of said members presents in general an array of a multiplicity of discrete cross-sections of such members distributed in two dimensions substantially throughout said casing in said field, the proximity and spacing of said members along the direction of the flux path being respectively sufficiently close and so arranged as to form regions of intense and convergent field at their adjacent surfaces in the direction of the flux path.

**2,074,818. Cyclone Dust Collector.** Myron J. Watson, Chicago, Ill. A cyclone dust collector having a tangential inlet, upper and lower discharge openings, and a tubular in the upper portion, and characterized by a vertical pipe located in the axis of the conical lower portion of the collector having its lower end located near the lower discharge opening and extending upward into the tubular and then curved outward through the wall of the tubular and having its upper end curved in the same direction as the material-laden air currents entering from the tangential inlet so that said upper end is surrounded by said currents which exert suction on said pipe, substantially as described.

**2,076,025. Hammer Mill Screen Attachment.** Albert J. Hazle, Jr., Chicago, Ill., assignor to B. F. Gump Co., Chicago, Ill. In a machine of the class described, a casing, a pair of arcuate bars attached to said casing in parallel relation, a screen fitting against said bars, a pair of chains, means for movably anchoring said chains adjacent the rear ends of said bars, a shaft adjacent the forward ends of said bars, connections between said shaft and chains, an

arm upon said shaft having a bifurcation, a rod pivotally connected to said casing and extending through said bifurcation and a nut threaded on said rod and engaging said arm for rocking said shaft.

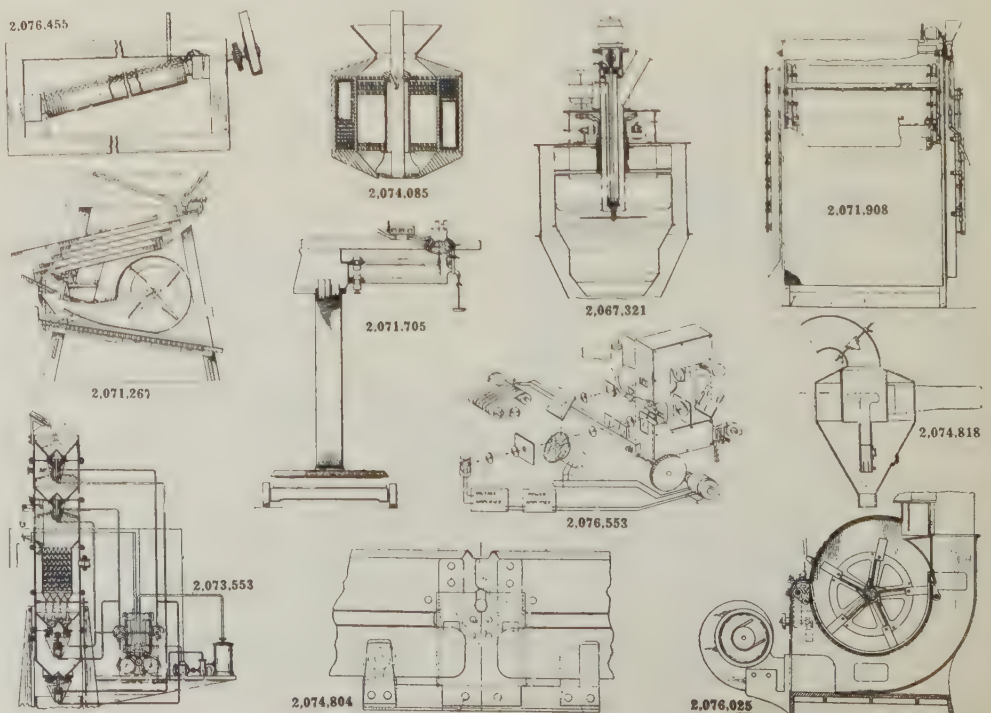
**2,076,553. Dust Measuring, and Controlling Device.** Philip Drinker, Brookline, and Willis Gilpin Hazard, Jamaica Plain, Mass. Apparatus of the character described comprising a support, a member upon which dust may be deposited movably mounted upon the support, means for continuously directing upon the member a stream of air carrying a dilute dust concentration of predetermined area in cross section at predetermined station to cause dust from the stream of air to become deposited continuously upon the member, means for preventing dust from becoming deposited upon the member except at the station, means for continuously moving the member upon the support past the station, an actuable device for actuating selected instruments, and means controlled in accordance with the amount of dust deposited upon the member from the stream of air for actuating the actuable device.

**2,076,455. Seed Separator.** David Franks, Millersburg, Ohio, assignor of one-third to Charles K. Franks and one-third to Samuel Franks, Jr., both of Millersburg, O. In a machine for classifying granular materials, a pair of inclined rollers mounted for rotation adjacent each other, said rollers having a plurality of recesses in their peripheries of a size sufficient to receive one, but being sufficiently small to reject the other of the materials to be separated, said rollers defining an inclined material conveying valley, means for feeding granular material into the upper end of the valley between said rollers, and means for thoroughly agitating said material as it traverses said valley in response to rotation of said rollers, for causing it to undergo a selective separation by said rollers as it traverses said valley, comprising at least one flexible element extending substantially parallel to said rollers and freely resting in the body of material between said rollers.

## State Elevator Shows Loss

An operating loss of \$144,936.99 for the period July 1, 1936, to last Jan. 4 was shown in the audited report of the North Dakota State Mill & Elevator. After adding the bond interest and depreciation, said auditor J. M. Shirek, the loss for the half year totaled \$428,857.03.

Operations of the state mill and elevator for 1936, after interest on bonds, depreciation and reserves for estimated losses were taken into consideration, said Mr. Shirek, show the "greatest loss for any corresponding period in its history."





# Feedstuffs

**Des Moines, Ia.**—The Iowa Independent Feed Dealers Finance Corp. plans an early meeting for all feed salesmen, so that they may be acquainted with its plan for increasing feed sales thru financing.

**Memphis, Tenn.**—Invited to hold its annual convention at Dallas, Tex., during the same week as the convention of the Grain & Feed Dealers National Ass'n, Oct. 11-12, the Southern Mixed Feed Manufacturers Ass'n is taking a mail vote of its members.

A fermentation process to produce calcium gluconate from corn sugar has been perfected, announces the federal Agricultural By-Products Laboratory. Formerly selling at well over \$100 per pound, this product may be manufactured for 25¢ a pound in a small plant using the new process and the cost of production may be further materially reduced in a large scale plant.

**Ottawa, Can.**—Canadian House Bill No. 64 provides for a registration fee of \$2 for each brand of feeding stuffs, as an amendment to the present feed law. Also required is a registration number and the "specific name of each ingredient, employing such terms and giving such particulars of the character, quality and quantity of any ingredient as may be prescribed," on the label.

High producing fall freshening cows use minerals from their body during the peak of their production and must build up these losses during the pasture season. A mineral mixture made up of equal parts of ground limestone, steamed bone meal and common salt is most commonly used. Cows should have free access to this mixture on pasture when sunlight and green grass will insure a maximum use of the needed minerals.

## New Cottonseed Meal Process

Lowery Johnson, superintendent of the Memphis (Tex.) Cotton Oil Co., has patented a new apparatus that cooks cottonseed meal by superheated air instead of steam-jacketed kettles.

The cake produced is credited with being bright and soft, less odorous, and more palatable to cattle.

The oil is said to be of brighter color, giving less shrink in refining. Increased production of cake and oil per ton of seed is claimed for the process.

## A New Vitamin

A new vitamin is designated with the letter "P" by its Hungarian discoverers. Vitamin P appears to be closely related to vitamin C and, like the better known substance, is found in lemons and paprika.

Professor A. Szent-Gyorgyi, of Szeged University, Hungary, who discovered ascorbic acid, is credited with the new find. The exact chemical nature of vitamin P is now being studied, but already it appears to consist of a very large molecule containing either 81 or 83 atoms of carbon, hydrogen and oxygen.

The compound is said to decrease the permeability of cells to albumin and for this reason is supposed to have vitamin-like properties. The new substance appears to be a natural companion of vitamin C in plants.

## A Steel Body for Grain Hauling Trucks

Grain handlers everywhere are using larger and larger trucks and in greater number than ever in transporting supplies to their farmer patrons and in collecting grain from the farms so naturally manufacturers are developing improvements that make the new trucks more adaptable to the specific needs of the elevator operator.

Elimination of dead weight and a high degree of impact resistance are features of this new grain truck made of Armco H. T. 50, a product of The American Rolling Mill Co. The truck was fabricated by The Perfection Steel Body Co. for the Atlas Milling Co., of Clinton, Mich.

Twelve gage Armco high tensile steel is used throughout for the truck body H. T. 50 absorbs 5,000 foot pounds per square inch in tensile impact tests, whereas ordinary steel absorbs only 2,700 foot pounds per square inch.

The truck is 16 feet in length; 87 inches wide and the body is 42 inches deep.

## Grain Mixture for Early Pasture

A grain mixture containing around 15% total protein is satisfactory to feed dairy cows when pasture is abundant and highly nutritious. Cows may not relish grain when they first go on pasture and should be gradually adjusted to the change.

The change from barn feeding to pasture can be made less violent and less disturbing to high producing cows by turning them out only a few hours a day at first and continuing some hay and grain feeding. Gradually increasing the hours per day on pasture, they can be on full time in a few days or a week.

For high production, Holsteins and Ayrshires need one pound of grain to about 5 or 6 pounds of milk and Guernseys and Jerseys, one pound to about 4 or 5 pounds of milk.

The following 15% protein grain mixture will supplement early pasture satisfactorily: 400 lbs. hominy feed, 300 lbs. wheat middlings, 200 lbs. wheat bran, 200 lbs. distillers' dried grains.

## Iodine from Seaweed in the Dairy

G. Lunde and K. Closs made tests conducted in the autumn of 1932 at a Norwegian agricultural school, not to determine the value of seaweed as food for cattle, but the degree to which the iodine content of milk and dairy products could be raised by feeding seaweed. Of the 8 cows tested, 4 served as controls, while the other 4 were given the same dietary as that of the controls plus a ration twice a day of dried seaweed, chopped up and mixed with the other fodder. The amount of the seaweed was gradually raised from 0.1 to 0.5 kg. per day per cow during the three weeks the tests lasted. Both the quantity of the milk and its fat content showed negligible rises in the seaweed fed cows.

The quantitative tests for iodine showed that less than 10% of the iodine contained in the fodder was normally excreted in the milk; and that under the influence of seaweed supplement the iodine content of the milk rose to a maximum of 3.25 mg. per litre. The maximum daily excretion of iodine in the milk was 40 mg. Milk from cows thus treated can be made to contain from 1 to 3 mg. of iodine per litre. Most of this iodine (about 90%) was free in the milk, whereas 3.8% was linked to the fat, and 6% to the protein. The fat of the milk of the seaweed fed cows contained about three times as much iodine as the fat of the milk of the controls.

As for the iodine linked to the proteins, its quantity was about seven times that of the iodine in the proteins of the milk of the con-

## Hay Movement in April

Receipts and shipments of hay at the various markets during April, compared with April, 1936, in tons, were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	470	.....	.....	.....
Boston	594	748	259	.....
Chicago	2,230	1,630	3,078	126
Ft. Worth	22	22	.....	.....
Kansas City	5,376	4,068	3,275	1,080
Minneapolis	47	169	14	.....
New York	.....	11	45	.....
Peoria	1,080	10	40	30
San Francisco	396	206	.....	.....

## Feedstuffs Movement in April

Receipts and shipments of mill feeds at the various markets during April, compared with April, 1936, in tons were:

	Receipts		Shipments	
	1937	1936	1937	1936
Baltimore	4,054	4,907	.....	.....
Boston	842	500	.....	.....
Chicago	10,504	14,807	38,364	33,948
Kansas City	10,725	4,750	30,725	22,150
Milwaukee	305	415	5,955	11,050
Minneapolis	2,757	1,187	28,456	43,969
New York	67	44	.....	.....
Peoria	14,140	13,360	16,260	15,725
San Francisco	.....	130	.....	.....



New Steel Truck for Atlas Milling Co., Clinton, Mich.



# California Dealers Organize Groups

trols. The iodine content was more than ten times greater in the cheese derived from the seaweed fed cows than in the cheese from the controls. The iodine content of the butter was between four and five times greater than in the butter from the controls.

## New Feed Trade Marks

**The Rath Packing Co.,** Waterloo, Ia. No. 388,798. "Speak," in outline lettering. For dog food.

**National Coast Products Corp.,** Swedesboro, N. J. No. 389,690. "Lykit" for canned dog and cat food.

**Vimpep Foods, Inc.,** Cambridge, Md. No. 387,844. "My Dog," in script lettering; For canned dog food. No. 388,998, "Coach Dog," for dog and cat food.

**Collis Products Co.,** St. Paul, Minn. No. 387,659. "Molasses-Fed," the combination of words slightly arched. For poultry and stock feed containing buttermilk and molasses.

**Western Grain Co.,** Birmingham, Ala. No. 389,538. "Bang Up," for horse and mule feed, laying mash, scratch feed, 24% dairy feed, and 16% dairy feed. No. 389,539, by the same, is "Big Mills," for horse and mule feed, dairy feed, laying mash, growing mash, all mash chick starter, ground yellow corn, and scratch feed.

**Albers Bros. Milling Co.,** Portland, Ore., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Cal., and Seattle, Tacoma and Spokane, Wash. No. 388,298 "Lax-Ive," for poultry feeds. No. 385,620, by the same, is "Mil-King" for stock feeds; No. 388,299, "Similene," for stock and poultry feeds.

**Staley Milling Co.,** North Kansas City and Kansas City, Mo. No. 382,728. Stars and a globe, bearing the words "Highest standard of excellence feeds. Staley's Record," in combination of shaded and outline lettering. No. 382,841 for the same firm, has the same background and lettering except for use of the word "Master" in place of the word "Record." Both are for milled grain products and preparations thereof, particularly poultry and livestock feeds.

## Imports and Exports of Feeds

Imports and exports of feedstuffs during February and during the 2 months ending February, 1937, compared with the like periods of 1936, as reported by the Bureau of Foreign and Domestic Commerce, were as follows, in tons of 2,240 lbs., except where noted otherwise:

	IMPORTS		Two mos. ended February	
	February 1937	February 1936	1937	1936
Hay* .....	24,242	635	44,801	1,044
Cocanut cake† ..	27,277,485	6,589,560	37,218,912	13,640,701
Soybean cake† ..	22,116,387	3,680,294	30,911,154	5,581,104
Cottonseed cake† ..	4,848,936	213,660	9,198,346	527,530
Linseed cake† ..	3,593,001	604,750	6,129,001	2,585,130
All other cake† ..	5,265,741	201,061	6,439,311	912,061
Wheat fds. ..	39,436*	24,936	69,840*	39,933
Tankage ..	2,677	3,959	5,528	6,955
Fish scrap ..	6,474	4,619	12,992	10,178
Beet pulp ..	11,148	895	19,352	1,889

	EXPORTS		Two mos. ended Feb.	
	February 1937	February 1936	1937	1936
Hay .....	140	162	221	343
Cottonseed cake ..	2	1,356	4	1,356
Linseed cake .....	17,243	16,122	32,373	33,155
Other oil cake .....	177	3,619	204	5,724
Cottonseed meal ..	285	936	719	1,105
Linseed meal .....	956	50	1,660	606
Other oil meal .....	608	1,708	1,581	2,908
Fish meal .....	21	1,290	74	2,362
Mixed dairy feeds..	161	131	208	234
Mixed poultry fds..	119	187	315	295
Other prepared and mixed feeds .....	52	67	120	143
Other feed, bran ..	483	865	696	1,672
Kafir, milo, bus....	1,179	8	1,179	8
Oyster shells .....	2,282	4,124	7,253	9,029

\*2,000 lb. tons. †Pounds.

At noon on Saturday, April 24, the California Hay, Grain & Feed Dealers Ass'n brought to a close one of the largest three-day conventions of its existence. More than 250 delegates registered and participated.

Officers unanimously elected at the closing session are Harry N. Laine, Los Angeles, pres.; E. R. Warren, San Francisco, vice-pres. Directors for two years: H. C. Hazlett, Petaluma; G. G. Steere, Van Nuys; W. K. Jansen, Lincoln; and A. C. Aitken, San Francisco; directors for one year: W. R. Roby, Porterville, and Ralph Boone, San Diego. Holdover directors are Henry Jung, San Jose; Joseph Powers, Oxnard, and Jack Claypool, San Bernardino.

In his annual report Retiring-Pres. W. B. Roby said:

### Pres. Roby's Address

To stimulate interest and to increase working efficiency, the Board of Directors approved a plan for dividing our membership into working divisions, according to commodity groups. First was the Hay Division and our Vice President, Ralph Boone, accepted the chairmanship. Second, the Grain Division with E. R. Warren appointed as Chairman, and third, the Feed Division sub-divided into Wholesale, Retail and Mixed Feed. Harry Laine was general chairman, with Ed Dial representing the Wholesalers; Joseph Powers, the Retailers, and George Murphy of Petaluma, the Mixed Feed Group.

Developments indicate this to have been a wise move. Whether it be legislation, transportation, or what not, each chairman, knowing exactly what his commodity group wants, with the assistance of the Executive or Legislative Com'te and the Ass'n Sec'y formulates a policy.

Between the Retailers and Wholesalers in the Feed Division, the plan has worked unusually well. Many meetings of Retailers and Wholesalers have been held and it is safe to say that there is today, in the areas where it has been tried, a more harmonious situation than has existed for a long time. Harmony of this kind promotes profits.

The plan has merit and should be extended over a larger territory. Conditions often vary in different localities. It could be better applied if the plan were modified so each trade area or locality could have its own leader who understood its own particular problems, who would bring them to the Board for approval, and put them into practice.

This plan should establish a condition that would make it much easier to arouse interest as well as to handle more efficiently all mat-

ters peculiar to any particular trade area and then by combined action of 11 trade area groups increase efficiency in handling matters of statewide interest.

When it first became my duty to help formulate a plan for the year it was apparent that the things we believed should be done would entail more expense than there were funds to cover. Realizing that revenue comes only from membership dues, we knew that more members was the answer. We went out to get them. We set the goal at 100 new ones for the year. Under the leadership of Paul X. Smith of the Membership Com'te and just nearly everyone doing his own special part, we put it over, with seventeen members to spare, still going strong and our year is not yet completed.

To the Feed Industry, made up as it is, of many conflicting and competitive units, this Ass'n has, or could be made to have, its greatest value as a tie to bind the competitive and recalcitrant units together, as an umpire to help settle disputes, and as a parent; the head of the family to whom all of us could go with our troubles, and through which, all cooperating, we could build an industry that would be as one unit working together harmoniously and profitably instead of being at each others' throats and knifing each other in the back to our great discomfort and loss. The work accomplished along this line during the past year is just a drop in the bucket as compared to what may be accomplished. Selfish individualistic jockeying for advantage can nullify every effort of your Board and your Sec'y, but cooperating, we can go on to very much better things.

DR. E. A. STOKDYK made a brilliant address on "Judging the Grain Markets," which is quoted elsewhere in this number.

## Triple XXX Alfalfa Meal

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LAMAR, COLO.

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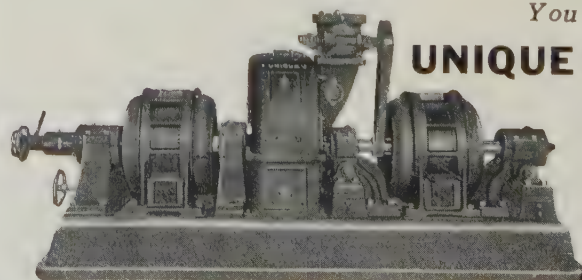
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HENRY C. JUNG'S report as chairman of the Memorial Com'te mentioned the names and brief histories of William Eugene Butler, S. A. Hubbard, H. W. (Bill) Walker, E. W. Reynolds, Isaac Moss, and J. B. Perry, all of whom have passed away during the last year.

DAVE MACAULAY, Sacramento, reporting on California's crop conditions, said: "In all sections, on account of adverse weather conditions, a very cold winter, a very cool and wet early spring, planting of crops has been delayed from two to four weeks. Conditions which may prevail up to harvest time will determine the effect upon the ultimate yields." His report indicated an increase in the proportion of barley to wheat acreage, probably cutting of much of the sown oats acreage for hay due to nearly complete cleanup of the 1936 hay crop, and backward development of grain and hay crops due to adverse weather.

CHAIRMAN R. J. SMITH, of the legislative com'te, reported thoroly on California bills with which the ass'n is concerned. He said:

#### Legislative Committee Report

Grain and Jute Bag Bills. Two bag laws fostered by the Ass'n are moving thru the Legislature. Both provide for compulsory gross weight handling of grain. AB 2798 has passed the Assembly and is now with the Senate Committee on Agriculture. SB 1084 bill has been passed by the Senate and is now awaiting hearing with the Assembly Com'te on Agriculture.

AB 2048, by H. M. Burns, would handicap the purchase, trading or sale of secondhand goods. Your Com'te has the author's promise to have proper amendments made which will exempt secondhand bags, egg cases, etc.

AB 1899, by Thorp, a drastic seed bill, has been amended to a satisfactory solution. It is still with the Assembly Com'te.

AB 1412, by Donnelly, amended the weighmaster law increasing the license fees.

SB 230, by Crittenden, provides that the Agricultural Director may certify, on request, to interested parties the grade quality and condition of barley. The bill has passed the Senate and is now with the Assembly Com'te.

SB 962, by McCormack, to eliminate the present system of grain inspection by the two exchanges, was effectively fought. The bill is re-referred to the Senate Com'te where it apparently will remain on file.

AB 1234, by Desmond, provides a continuing lien on any farm products sold for processing, sacking, etc., but is expected to be tabled as too broad in effect.

AB 1264, 1265, 1266, by Corwin, are veterinary bills. Compromise amendments have been offered satisfying almost unanimously all groups.

SB 953, by Powers, is the Board of Equalization, Truck Tax Division Bill. All groups have entered the fight for exemption from the 3% truck license tax. This bill now exempts co-operatives hauling their own goods or goods for their members; also, occasional hauling by farmers, and specifically exempts established owners of goods, who make delivery but no separate charge for delivery nor charge any differential between cost at the warehouse or point of delivery for transportation service. The annual license fee is reduced to a flat \$5 and 3% of the gross income from hauling or from delivery where delivery is charged.

AB 617, by Lyon, provides that posted or advertised prices must be exclusive of the tax and the tax collected separately in addition. The bill has a "do pass" from the Assembly Com'te.

Sardine Reduction and Control Bills: There are 14 of these bills on file, which have been in such a controversial state that they are clearing the Assembly and Senate Com'tes slowly. Of particular note was SB 519 by Senator Young and 15 others, which was tabled in the Assembly Com'te on Fish & Game, April 28.

Special attention was given the 3% Truck License Tax Act, S.B. 773, by DeLap, with amendments proposed by the ass'n's legislative com'te "to exempt established merchants, and others, who only incidentally and in good faith make delivery in their own delivery truck of goods, wares, or merchandise bought, sold or to be sold by them. Said the report approved by the delegates: "The DeLap bill, as amended, will protect the truck industry against itinerants who take a bill of sale for the trip, or other practices done to evade the law. . . . Under the present 3% truck tax law, a man can have a hundred trucks on the highways and be exempt if he does not charge any differential between the store and the farm. But the man who makes a

user pay some part of the cost to deliver is in. That is wrong."

DR. FORD EDWARDS of the California State Railroad Commission, San Francisco, delivered a masterful historical address on development of regulatory measures affecting the grain and transportation business. It is published elsewhere in this number.

The Ass'n's annual banquet and entertainment, a stag affair, was held in the Pied Piper room of the Palace hotel, and was thoroly enjoyed by all delegates.

### Ferment Ground Feed Grains

"Ground barley and oats make a better feed than wheat, if allowed to ferment," believes "Doc" Morrison, of Randolph County, Ill., active livestock feeder.

"This fermentation is said to aid digestion and appears to be the keynote to most of the yeast supplements now on the market. Put your mixture in the tank today and it is ready to feed tomorrow. In warm weather, however, it is available sooner."

### Dehydrated Alfalfa Is Vitamin A Source

C. E. LAMPMAN, Agr'l Experiment Station, Moscow, Idaho

Dehydrated alfalfa meal has come to be considered one of the chief vitamin A supplements, so far as common feeds are concerned. In studies at the Idaho station 5% of this product in the mash as the sole source of vitamin A proved markedly inadequate, in that all the birds fed on this basis died. Ten per cent of the dehydrated alfalfa did not completely protect the birds, inasmuch as a few preliminary throat lesions developed, but it was sufficient to prevent any mortality from lack of vitamin A.

When a ration containing 7½% of the dehydrated alfalfa was supplemented with cod liver oil as an additional source of vitamin A, satisfactory protection was afforded. Birds receiving a variety of feeds containing vitamin A, such as yellow corn or peas, and alfalfa leaves in hoppers, in addition to the dehydrated alfalfa and cod liver oil, also were completely protected against any deficiency.

Manufacturers have been successful in devising means of producing dehydrated alfalfa of high vitamin A value, but means must yet be found for preventing loss of this potency in storage.

### White Fish Meal for Growth

C. F. MONROE, W. E. KRAUSS and C. C. HAYDEN, Ohio Exp. Station

White fish meal compares very favorably with linseed meal on the basis of food nutrients furnished when the two feeds were used as protein supplements for growth and milk production. However, the health and vigor of the newborn calves in this experiment was generally better in the group fed fish meal, and the iodine content of the thyroid glands of the few calves slaughtered was higher in this group than in the linseed meal group.

Fish meal is of special value in supplying iodine in regions where this element is deficient in the natural feeds. It is quite important that rations supply adequate amounts of iodine and this factor is more important to the producing ability, general health, and reproducing ability of dairy animals than is commonly believed.

In the few cases where iodine was added as potassium iodide, the thyroids of newborn calves contained adequate amounts of iodine, indicating that an iodine deficiency can be overcome in this way as well as by the feeding of fish meal or other iodine-containing feeds. The value of inorganic iodine for meeting an iodine deficiency is not a new finding, as it has been demonstrated many times since the work of Coindet, the Geneva physician, in 1820.

Predicting on a basis of spring planting intentions, economists are anticipating a 38,-000,000 bu. soybean crop this fall.

### EAR CORN AND SMALL GRAIN HAMMER MILL FEEDER

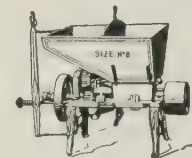


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### BOWSHER Crush Grind Feed Mills' Mix

Rapidly crush ear corn (with or without husk) and grind all the small grains; either separately or mixed—mixed as they are being ground—not before or after. This saves time and labor.

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SOUTH BEND INDIANA

### Poultry Production by Lippincott and Card (5th Edition—Revised)

Every elevator that grinds and mixes poultry feeds needs this new, quick-reference volume, devoted to practical management of poultry enterprises. Prepared by noted authorities, it includes 238 illustrations. Considers culling, prevention and cure of diseases, incubation, brooding, housing, ventilation, etc., and gives 63 pages to selection and compounding of feeds, to feeding methods and the nutrient requirements of poultry.

Bound in cloth, 723 pages, fully cross indexed. Weight 4 lbs. Price, \$4.00, plus postage.

### Grain & Feed Journals Consolidated

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Brewers' Dried Grains Malt Sprouts  
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# Poultry Feeds and Feeding

A German patent was recently issued for a dye to be included in poultry feed to produce dark egg yolks. Englishmen who import many German eggs usually prefer dark yolks.

**Decorah, Ia.**—When Miss Hulda Moen noticed a black spot in an egg she was candling at the Decorah Produce Co. plant she decided to break the egg and learn the mystery. A bright silver quarter rolled out.

**Ames, Ia.**—In a long list of costs in producing turkeys H. L. Wilcke, the state college poultry head, anticipates 40 to 50 cents per poult, plus the death loss. Believes Mr. Wilcke, turkey prices this fall must exceed 17 cents per pound if turkey raising is to be profitable.

**Wooster, O.**—E. L. Dakan of Ohio State university is organizing scientists, poultrymen and feed manufacturers to formulate plans for combating the spread of range paralysis in Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Nebraska, New York, Ohio and Pennsylvania, where an aggregate of 32,000,000 hens died in 1935.

**Washington, D. C.**—W. D. Termohlen, head of the poultry section of the AAA, has been elected sec'y of the government's inter-departmental com'te to work on the seventh World's Poultry Congress, which will be held in this country in 1939. He has also been named to a subcom'te to negotiate with cities wishing to entertain the Congress.

## Protein Influences Egg Size

A two year experiment in the University of Idaho poultry flock demonstrates conclusively how the protein level of the ration influences egg size. One pen was fed plenty of animal protein and two other pens were fed at lower protein levels.

"Plenty of animal protein" means merely the normal amount necessary for taking care of the growth and production needs of pullets coming into heavy laying. In this experiment the animal protein was meat scrap, fish meal and dried milk, all made up about 20% of the mash.

Egg size at the beginning of the experiment was practically the same in all pens, but after the first few weeks the pullets receiving plenty of protein began getting ahead of the other two pens. In a short time their eggs averaged 2 ounces per dozen heavier than the eggs from the pullets on medium and low protein allowance. This advantage in size continued throughout the remainder of the experiment.

## A Ration for Growing Pullets

"A balanced ration is really cheaper than an all-grain ration," says Scott Hinners, Purdue poultryman. "It gets the pullets in good condition, ready for production at the time of high egg prices."

The mash mixture need not be complicated, Hinners suggests. Good results have been obtained from a ration in which whole yellow corn is fed with a mash consisting of 100 lbs. of ground yellow corn, 100 lbs. of wheat bran, 100 lbs. of wheat middlings and 50 lbs. of meat scraps. Probably the simplest method to use in feeding is to keep the whole yellow corn in troughs and the mash in mash hoppers at all times.

Where an ample supply of skim milk or buttermilk is available it may be given as the drink instead of water and the 50 pounds of meat scraps may be omitted from the ration.

A good clean range is very important.

**Buffalo, N. Y.**—Spencer Kellogg & Sons, Inc., according to notice to the New York Stock Exchange, plans to call a special meeting of stockholders to vote authorization of a \$5,000,000 issue of preferred stock.

## Light Colored Yolks for the Egg Market

By R. T. PARKHURST

It would seem a sound policy to produce the kind of egg that will bring the most money, provided the cost of doing it will leave a greater profit. It is sometimes possible to get a higher yearly average price if a uniformly light-yolked egg is marketed. The unfavorable reaction of the consumer to wide variations in two eggs "sunny side up" on his plate is obvious. Kansas State College research workers have found that where farm flocks are permitted to range so that they select a variety of feeds, yolks of wide range of color result. Controlled intake is necessary to uniform yolk color.

Kansas State College has shown that practically the same yolk color was obtained with 70% yellow corn as with 10% ground alfalfa leaves. On the basis of average pro-vitamin A contents, and assuming equal conversion to vitamin A in the eggs, there would be at least two and one-half times more vitamin A in the eggs from one group than the other.

Experiments at the New Jersey experiment station have demonstrated that the amount of vitamin A in the pale-yolked eggs from hens getting no pigmented feeds and 1% cod liver oil was practically as high as when, in addition to the 1% cod liver oil, the ration contained 35% yellow corn and 3% dried alfalfa. At the U. S. D. A. Research Center at Beltsville, hens on diets nearly devoid of yellow pigments, but with cod liver oil supplement, have produced nearly colorless eggs which were equal to or possibly richer in vitamin A content than highly pigmented eggs produced on a normal diet.

The extent to which feed colors the egg yolks depends primarily upon its content of xanthophylls—certain plant pigments. They are not converted into vitamin A, which is colorless, as are their associated pigments—the carotenes. It is possible to make up rations to give either very light or very dark yolks. Although it is possible to produce yolks that are too light for the New York light-yolk demand, eggs are rarely, if ever, discounted in price for lack of color. Research workers have shown that green grass and other succulent green feeds, alfalfa products and yellow corn are the usual sources of xanthophylls. Yellow flint corn carries more yolk coloring matter than yellow dent corn. There is apparently a structural difference between xanthophylls of corn and those from other plant sources.

According to present research work, relatively light yolks can be produced if the sole source of pigment is not over 20 to 30% yellow corn or 2.5% alfalfa meal. When alfalfa meal is reduced, additional dry whey or dried skim milk should be included in the ration to supply adequate vitamin G for hatchability. There is no evidence that vitamin G, over and above that in the usual ration, is needed for egg production alone.

In practice, poultrymen can often reduce the cost of their ration by lowering their yellow corn meal content to 20 to 30% of the total ration or even entirely eliminating the yellow corn by using barley and oats and decreasing the alfalfa meal to 2.5% of the total ration. Dr. Russell's results indicate that this is possible and practical even with some loss of vitamin A during storage. Dr. Russell has previously reported the practicability of producing light-yolked eggs by getting vitamin A from cod liver oil instead of pigmented feeds. Recent research work would indicate that poultrymen can adjust their rations to produce light-yolked eggs and suffer no bad effects in either flock health or productive results.

**Kansas City, Mo.**—E. D. Lysle, Leavenworth, Kan., was elected pres. of the Western Millers Mutual Fire Insurance Co. to

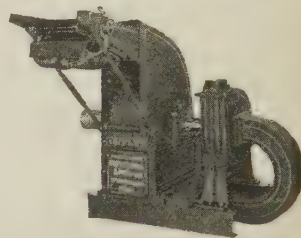
succeed the late Charles Ridgway, at a special meeting of the company's directors Apr. 2.

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## Practical Poultry Farming

By L. M. Hurd

This revised and enlarged edition is right up-to-date and contains all important discoveries in poultry raising made in recent years.

The book contains the latest information on feeding, a complete discussion of the new vitamin G, practical information on the two-story poultry house and heating, disinfecting incubators, battery brooding and raising chicks on screened platforms, and the latest discoveries in treating pests and diseases, including Leukemia, and the newest information on disinfecting houses. This edition also describes the new methods of feeding turkeys.

Printed on enamel book paper from large type and well bound in cloth. 480 pages, 33 chapters, and 200 engravings. Weight 2 lbs. Price \$2.50 plus postage.

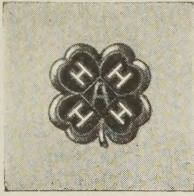
**Grain & Feed Journals**

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Two 4-H Club members each month, state champions in each 4-H Club project, will receive the gold pin illustrated above, and a certificate of honor from the Central Retail Feed Ass'n. The awards are based on outstanding achievement.

## Balance the Hammers

Authoritative hammer mill repair men, who have had a great deal of experience with troublesome hammer mills that operate efficiently for a time but after a year or two of operation begin to run heavy and use a great deal of power, advise immediate checking of both hammers and screens. In most cases the hammers become rounded thru use and their edges dulled.

Highly important in reassembling the mill is the placing of the hammers back in their original locations, so that the machine will stay in balance. Important also in this connection is the use of new cotter keys. Many good hammer mills have been thrown out of balance and eventually ruined thru neglect of these two steps.

Screens often wear unevenly. Failure to use a good magnetic separator may permit passage of a piece of tramp iron that tears holes in the screen. Good grinding cannot be done if the screen is not in good condition.

Fan rotors and fan case liners sometimes become worn, and pipes can become clogged with damp ground products. Bearings may heat thru the too liberal use of grease. Occasional check-ups and care in operation will preserve the life of a hammer mill and maintain its most economical operation.

Trucks hauling agricultural products are exempt from all but section 204 of the Motor Vehicle Act. Sec. 204 has to do with safety provisions.

## Feed Prices

The following table shows the closing bid price each week for July futures of standard bran and gray shorts, spot cottonseed meal, soybean oil meal, and No. 1 fine ground alfalfa meal, in dollars per ton, and No. 2 yellow corn and No. 2 yellow soybeans in cents per bushel:

	Minneapolis Spot		Kansas City	
	Bran	Midds.	Bran	Shorts
Mar. 13.....	33.00	34.50	19.75	26.25
Mar. 20.....	34.00	36.50	21.50	28.50
Mar. 27.....	35.50	37.00	22.50	28.15
Apr. 3.....	36.50	38.00	24.75	30.50
Apr. 10.....	37.50	38.50	23.25	28.75
Apr. 17.....	37.00	38.00	21.05	26.75
Apr. 24.....	36.00	37.00	21.10	27.00
May 1.....	35.50	34.00	22.75	28.50
May 8.....	34.00	36.00	24.50	30.40

	St. Louis		Chicago	
	Bran	Shorts	Beans	Soy-Meal
Mar. 13.....	22.00	28.25	156%	40.20
Mar. 20.....	23.75	30.00	155%	39.70
Mar. 27.....	24.25	30.50	165	41.70
Apr. 3.....	26.75	32.00	165	43.20
Apr. 10.....	25.25	31.00	173	45.00
Apr. 17.....	23.25	28.50	177½	47.20
Apr. 24.....	23.20	28.50	178	47.20
May 1.....	24.50	29.75	172½	47.00
May 8.....	24.50	30.40	180	47.70

	Cottonseed Meal		Kansas		Chicago	
	Ft. Worth	Memphis	City	Alfalfa	Corn	Meal
Mar. 13.....	41.00	34.00	24.00	114%	117	127
Mar. 20.....	41.00	35.00	23.50	117	127	138
Mar. 27.....	41.00	36.50	23.50	117	127	141
Apr. 3.....	41.00	38.50	24.00	138	141	134
Apr. 10.....	43.00	39.00	24.00	141	134	133
Apr. 17.....	43.50	40.00	25.50	134	133	138¾
Apr. 24.....	45.00	29.50	25.50	133	138¾	136
May 1.....	45.00	40.50	25.50	136		
May 8.....	45.00	38.90	25.50			

## Congress Resists Crop Insurance

The Senate's agriculture com'te has rebelled against "domination" by Sec'y of Agriculture Henry A. Wallace, refusing to report out the new Wallace farm bill without holding public hearings to learn the purpose of the bill.

The com'te authorized Chairman Ellison D. Smith of South Carolina to invite commissioners of agriculture in every state to attend a meeting at Washington and express their views.

One of the Wallace bills, already passed by the House, is framed to further expand the authority of the Department of Agriculture by giving it unconditional power to limit shipment of farm commodities in interstate commerce, under a quota system similar to the Bankhead cotton act, but with penalties for violation amounting to 300% of the value of the commodities.

The second bill proposes that benefit payments to farmers under the soil conservation and domestic allotment act be turned over to the states at the end of 1941, instead of at the close of this year, as originally planned, thus maintaining centralized control in Washington until after the close of this administration.

The Pope wheat crop insurance bill, passed by the Senate, is held in com'te by the House. Washington opinion is that if the bill is passed at all, it will be sharply curtailed from the \$10,000,000 for administration and \$100,000,000 for reserves provided in the Senate bill.

Sec'y Wallace's ever-normal granary plan is finding interference from President Roosevelt's sudden economy program. Sec'y Wallace said his whole farm program had been jeopardized by the economy drive.

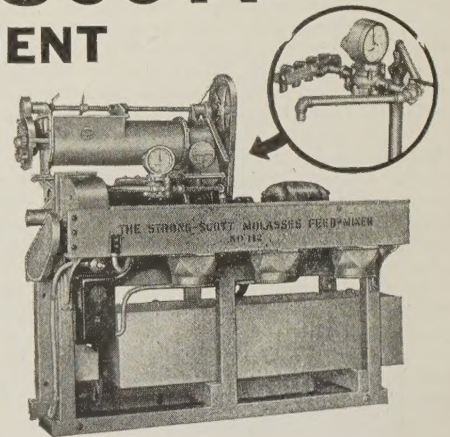
Wheat in Kansas and Oklahoma is infested with mites, the infestations in Oklahoma being specially severe.

# DEPEND ON IT! —STRONG-SCOTT— EQUIPMENT

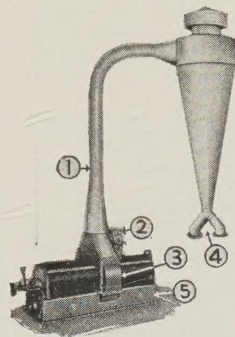
## Molasses Feed Mixer

Lumpless Molasses Feed Mixer. The Strong-Scott patented molasses injection control is not found in any other mixer. You get better prices when using this mixer because the molasses feed is better. Write for complete description.

Insert shows view of the molasses injector control.



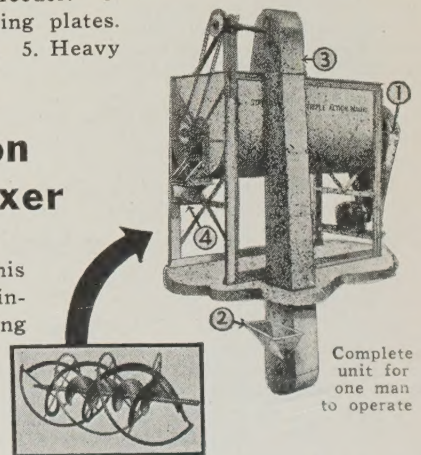
## Pneumatic Attrition Mill



Fire and Explosion Hazards are eliminated when you have a Strong-Scott Pneumatic Attrition Mill. 1. Feed is elevated by means of grinding motors without reduction in grinding capacity. 2. Adjustable non-choking feeder. 3. Removable cover for changing plates. 4. Feed is cool when sacked. 5. Heavy base—sturdy construction.

## Triple Action Dry Feed Mixer

1. Combination V-Belt and Planetary gear drive. This efficient drive arrangement cuts power costs—for instance, one-ton mixer requires only 5 h.p. 2. Loading Hopper. 3. Elevating Leg. 4. Sacking Spout. INSET—Specially designed agitator cylinder, which, with Planetary gear speed reducer, saves 25% to 50% on operating costs.



Everything for Every Mill, Elevator  
and Feed Plant

The Strong-Scott Mfg Co.  
Minneapolis Minn. Great Falls Mont.





## Kansas Dealers Celebrate Fortieth Anniversary

[Continued from page 371]

to support an organization that would at all times meet the requirements of its members. There is much work to be done; educational work; surveys that should be made and good will to be built. The industry today that is not properly represented before legislative bodies will soon find itself legislated entirely out of business.

During the last session of the Kansas Legislature I learned of comparatively small industries as compared with your business, that maintained very powerful lobbies, backed by a membership many times greater than the membership of this association, and these organizations were getting things done, because they had a large, loyal, supporting membership back of them. There is a lot of truth in the old saying, "There is Power in Numbers."

PRES. DRAKE appointed the following committees:

**RESOLUTIONS:** Claude Cave, Dodge City, chairman; Lon Powell, Wichita, and A. R. Dean, Blue Rapids.

**NOMINATIONS:** Roy Cox, Iola, chairman; Ross L. Miller, Kingsley, and J. H. Voss, Downes.

**AUDITING:** J. E. Ogren, Arkansas City, chairman; D. A. McDonald, Iola, and D. O. Wanamaker, Blue Rapids.

E. G. CHERBONNIER, Purina Mills, St. Louis, in his address, "Meeting Public Demand in Merchandising," stressed the importance of having the right goods, a proper display of goods, courteous reception to the customer, and a thoro knowledge of the goods and their use. He displayed photo enlargements of feed displays in elevators, feed stores, hardware stores, and groceries, showing the chain groceries far in advance in the art of display. Mr. Cherbonnier said "that with the right goods, attractively displayed, courteous treatment and a knowledge of feed fundamentals, feed dealers of Kansas have the greatest opportunity for profit they have ever had."

PRES. DRAKE read a wire from the Hon. Thale P. Skovgard, senator from the 18th district, Greenleaf, Kansas, who was scheduled to talk on "Trucking Legislation," advising of his inability to attend because of illness and extending his wishes for a successful meeting.

Adjourned to Wednesday A. M.

### The Annual Banquet

An excellent dinner was enjoyed by the delegates in the Roof Garden of the Hotel Broadview.

L. H. POWELL, toastmaster, introduced the officers of the ass'n and officers and entertainment committee of the Board of Trade, who arranged the elaborate floor show which followed.

TOM COLLINS, Sunday editor of the Kansas City Journal, was the speaker of the evening.

A splendid entertainment was provided by the Wichita Board of Trade.

### Wednesday Morning Session

PRES. DRAKE called the Wednesday session to order.

R. V. LASH, chief of the Social Security Tax Division, Wichita, explained the provisions of Unemployment Insurance and Old Age Benefit Tax, and answered questions of the delegates.

PRES. DRAKE called on Tom Armstrong, ex-Chief Grain Inspector for the state, who introduced his successor, A. D. Plummer.

MR. PLUMMER asked for the continued support of the dealers and promised co-operation in return.

A. L. CLAPP, Kansas State College, Manhattan, in discussing "Seeds and Their Relation to the Grain Business," said, "The farmer's prosperity depends upon his ability to produce and to market a profitable crop. This crop may be sold directly to the grain dealer or marketed indirectly through live stock. We are primarily

interested at this time in that part of the crop which the farmer sells to the grain dealer and in the supplies such as feed grain, and seed which the grain dealer sells to the farmer.

"The grain dealer's prosperity depends upon the ability of the farmer to buy seed and feed grain and to produce grain for the market. It can readily be seen that the exchange between the two classes is so closely interwoven that the grain dealer should keep constantly in mind the fact that his profit comes from his ability to sell certain supplies to the farmer and to buy back certain products.

"If the farmer plants poor, unadapted seed, the dealer will lose through the inability of the farmer to furnish a large amount of high quality product for the grain dealer to market when the crop is harvested. On the other hand, if the farmer secures the right kind of seed, the dealer will participate in the increased returns from a large crop of high quality products."

F. A. DERBY, Topeka, entertained the delegates with a very picturesque description of his recent trip through South America.

RAY B. BOWDEN, Secretary of the Grain and Feed Dealers National Ass'n in his address, "The More We Get Together," traced the present social upheaval to the breakdown of old traditions, and urged concerted effort through the state and national associations.

CLAUDE CAVE, chairman of the Resolutions Committee reported the resolutions, all of which were adopted.

### Resolutions Adopted

#### Pettengill Bill Discriminative

The long and short haul bill we believe will impose unjust and unreasonable rates upon the farmers of the Middle West, with greater competition from wheat producers in Washington and Oregon; and oppose such legislation.

#### Against Expansion of Inland Waterways Corporation

This government agency is fast acquiring permanent ownership and operation of water transport facilities. At present there is pending in Congress, a bill by Rep. Brown of Georgia, extending further the authority of the Inland Waterways Corporation. Millions upon millions of dollars of public money have been uselessly spent in the past upon inland waterways and many more millions will be spent if this bill is enacted into law. Therefore, we recommend that this association go on record as opposed to the Brown Bill.

#### Oppose Railroad Make Work Legislation

Certain train service labor organizations are sponsoring legislation for prohibiting the operation in interstate commerce of trains having more than seventy cars. The measure is known as United States Senate Bill 69 and is advocated under the guise of safety regulation but the real purpose for limitation of trains is to make more work.

The shipper of grain and other commodities will be burdened with an additional annual freight charge estimated at \$180,000,000.00.

We vigorously oppose the passage of such radical legislation.

#### To Disseminate Cost Knowledge

Success in the grain business depends to such a degree upon a knowledge of cost of doing business, that it is increasingly important that all factors of the country grain trade be possessed of all information available upon this subject.

To the end that greater knowledge of operating cost may be acquired, we suggest the appointment of a committee whose membership shall be empowered to proceed with the preparation, publication and distribution of a booklet dealing fully with this subject.

#### Curtail Bureaucratic Activities

The tendency of legislative circles, both local and national, toward regulatory measures and bureaucratic control of all lines of business ignores all well established economic laws and promotes socialistic and unamerican theories of government. We recommend, therefore, that we use our influence personally, as well as the influence of our association, to secure action, looking toward the curtailment of bureaucratic activities, especially by our Federal Government.

J. F. Moyer, the new sec'y, was credited by the Resolutions Com'te for the success of the convention and the addition of 215 new members.

Other resolutions thanked those who had contributed to the success of the meeting.

The report of the auditing committee presented by Jack Ogren, chairman, showed a substantial balance, and was adopted.

The following officers were elected Pres. A. R. Dean, Blue Rapids; V. P. J. O. Ross, Wamego; Sec. Treas., J. F. Moyer, Dodge City. D. C. Sullivan, Ulysses, Chas. McGinnis, Cherryvale, Claud Cave, Dodge City, and D. O. Wanamaker, Blue Rapids, were elected directors to serve with J. E. Ogren, Arkansas City, and J. M. Rankin, Cambridge, Nebr.

F. A. DERBY, Topeka, moved to advise the directors of the ass'n that it was the feeling of the members present that the ass'n should again be affiliated with the National Ass'n. Carried.

A motion presented by E. Bossemeyer, Superior, Nebr., was passed extending greetings and best wishes of the ass'n to ex-secretary E. J. Smiley and family.

A motion was passed readopting the resolution passed last year favoring a bill to regulate truckers.

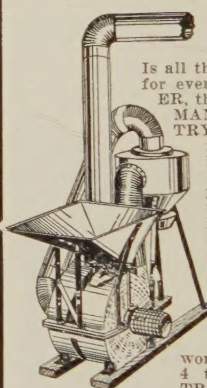
Adjourned.

**CHECK  
YOUR  
FORMULAS  
with  
Laboratory  
Analyses**

**Protein, Fat, and Fibre  
—Feed or Grain—  
Analyzed at  
Reasonable Rates  
Runyon Testing Laboratories  
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"Runyon Analyses Help Sell Feed"**

**GOOD  
NEWS**

**GRAIN ELEVATORS**



**"MONEY MAKER"  
OAT HULLER**

Is all the name implies. Makes money for everybody every day—the FARMER, the FEEDMAN, the ELEVATOR MAN, the STOCKMAN and POULTRYMAN. The greatest invention for the oat crop since the self-binder. It IS A MONEY MAKER and we will show you, if you write us, how it will easily pay for itself. People want hulled oats. OATS—CREAM OF ALL CROPS AND KING OF ALL CEREALS, if hulled and fed to livestock and poultry.

#### New Low Price

On account of new (pat. pend.) outstanding features. Does work of machines that sell 3 to 4 times the money. Positively TRIED, TESTED and PROVEN MACHINE. Will hull 40 to 60 bu. per hr. Hulls BARLEY, SPELTZ, RICE, SWEET CLOVER; also CRACKS CORN, WHEAT, SOY BEANS, PEAS, etc. Cash or terms. Write.

**General Industries Corp.**

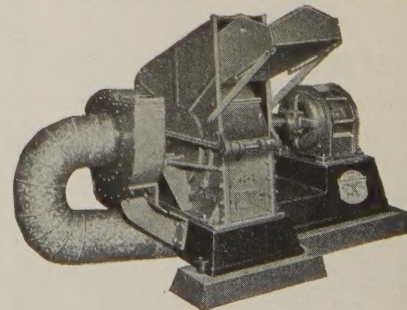
Dept. 106

Waterloo, Iowa

**GRUENDLER**

1885 to 1936

Slow Speed and High Speed Feed Grinders still maintain lowest cost and highest quality feed and are making profits instead of just swapping dollars. Ask the feed miller who owns one.



Are you interested in establishing a complete feed grinding and mixing plant?

Write for Bulletin "Your Own Feed Plant"

**GRUENDLER  
CRUSHER & PULVERIZER CO.**

2915 No. Market St. St. Louis, Mo.



## Wichita Convention Notes

REGISTRATION was conducted by the Grain Dealers Nat'l Mutual Fire Ins. Co., represented by F. S. Rexford, R. T. Blood and E. M. Van Horn. Identification badges were supplied by the company. Over 300 registered.

**Chicago** sent R. O. Cromwell, Lamson Bros. & Co.; Frank E. Thompson, James E. Bennett & Co.; Mrs. E. H. Miller, Frank A. Miller.

**Denver** sent Newton A. Gray.

**Fort Worth** representatives were: A. Galbraith and P. J. Mullin.

**Houston** sent George S. Colby.

**Hutchinson** representatives were: C. N. Bidwell, George Bidwell, J. L. Bobek, Roy Cunningham, A. W. Estess, H. T. Hansen, F. C. Hazleton, A. P. Henry, H. F. Keith, J. R. Miller, E. J. Minshall, Max T. Moritz, E. E. Shircliff, O. J. Space, Clyde Truesdell, R. W. Vance, Glen Watkins.

**Kansas City** representatives were: Tom Armstrong, E. L. Betton, Glen Brown, F. D. Bruce, L. J. Byrne, E. A. Cayce, Ray Cheers, H. Christopher, F. B. Clay, G. W. Coffin, Frank Conner, W. D. Farmer, Harry Gamage (Moore Seaver Grain Co.); Baron Geisel, Joe Geisel, Jr., J. B. Gregg, Bill Grogman, H. D. Harding, A. W. Hunt, C. T. Irons, F. T. Kane, R. A. Kelly, E. E. Klecan, F. L. Klecan, Jack Kraettli, Jack Leahy, H. O. McVey, E. C. Meserve, Jr., A. B. Plummer, L. E. Preton; Fred Schooler (B. C. Christopher & Co.); P. Scoular, J. A. Snyder, F. L. Swenson, Ace Thomason, W. C. Van Horn, Earl Wallingford, P. E. Watson, Richard Wood, Glen Hiltz and A. W. Erickson.

**Minneapolis** sent P. R. McCaull.

**New Orleans** sent W. W. Sutcliffe, Jr.

**Omaha** representatives were: W. T. Burns, J. E. Linderholm, J. L. Welsh.

**Salina** representatives were: H. W. Carlson, Lee Lorenz, Dave Lorenz, J. L. Lynch, Bob McGeary, Jay Owens, Jake Pyle, E. L. Rickel, J. D. Tinklepaugh.

**Salt Fork, Okla.**, sent V. H. Ingram.

**Superior, Neb.**, sent Paul Bossemeyer.

**Topeka** representatives were: Scott Bateman, "Davy" Davidson, F. A. Derby.

**Ladies** present included Mesdames J. F. Moyer, Dodge City; Sherman Andrea, Hollyrood; J. M. Wanasek, Hollyrood; Carl Horn, Neodesha; Kathleen Kennedy, Neodesha; Wallace Siebert, Canada; Claude Cave, Dodge City; J. L. Davis, Waynoka; R. L. Miller, Kinsley; Virginia Donaho, Dodge City; H. W. Clayton, Dunlap; Sydney Gwinn, Newton; M. E. Pierce, Marion; Carl Jones, Valley Center; Myron Fisher, Canton; Henry Janousek, Ellsworth; H. L. Cox, Cedarvale; W. R. Bullen, Minneapolis, Kans.; J. E. Linderholm, Omaha; Ralph Dockstader, Beloit; C. W. Thierolt, Beloit; Geo. Dooley, Rydal; M. A. Walton, Newton; Fulton Chestnut, Superior; Knox McKee, Superior; C. W. Samuelsen, Abilene; J. E. Ogren, Arkansas City; R. A. Norris, Burdette.

**Grain dealers** present from country and interior buying points included: C. C. Lambke, Gerlane; R. E. Ruby, Peabody; Roe King, Kiowa; W. W. McClellan, Calista; H. F. Braly, Norwich; E. A. George, Earlton; V. H. Ingram,

Salt Fork, Okla.; C. C. Smith, Conway Springs; R. A. Norris, Burdette; Joe Prouse, Shook; Pete Underwood and Emery Underwood, Lawrence; Roy H. Miller, Claflin; Price Fequay, Wellington; L. D. Brandt, Douglas; A. R. Moberley, Sterling; C. H. Shelley, Marion; E. Carl Jones, Valley Center; Myron Fisher, Canton; Ted Lord, Emporia; H. H. Stoneback, Lawrence; Joseph Janousek, Ellsworth; Howard Riederer, Rozell; C. M. Alspach, Kirwin; H. L. Cox, Cedarvale; W. R. Bullen, Minneapolis, Kans.; Briggs Harriman, Adrian; John O. Ross, Wamego; Harold Trusler, Emporia; W. T. Voils, Wellington; David Rhode, Tampa; Chas. Burlie, Anthony; Lewis Burlie, Anthony; Max Pruett, Tesscott; C. E. Powell, Eldorado; Ray Senter, Clearwater; Fred Martin, Blackwell; M. A. Walton, Newton; C. M. Ferguson, Dodge City; H. E. McDaniels, Rock; Ralph W. Dockstader, Beloit; C. W. Thierolt, Beloit; Geo. C. Dooley, Rydal; L. A. Adler, Goddard; Fulton Chestnut, Superior; Knox McKee, Superior; C. T. Geiger, Ottawa; H. W. Skinner, Medicine Lodge; A. L. Flook, Galva; J. A. Gavin, Isabel; Joe Hall, Dodge City; W. H. Meyer, Anson; L. W. Drake, Humboldt; Roy W. Cox, Iola; R. L. Miller, Kinsley; Claude Cave, Dodge City; A. R. Dean, Blue Ridge; S. O. Wanamaker, Blue Rapids; J. H. Voss, Downes; J. E. Ogren, Arkansas City; E. Bossemeyer, Superior, Neb.; Sherman Andrea, Hollyrood; C. W. Samuelson, Sand Springs; Phil Horney, Neodesha; Carl Horan, Neodesha; D. F. Friesen, Cheney; D. A. McDonald, Iola; Perry N. Allen, Coffeyville; N. B. Schmitz, Andale; Wallace Siebert, Canada; E. C. Beauchamp, Arlington; G. F. Friesen, Furley; Chas. Spangler, Walton; J. L. Davis, Wynoka; V. M. Harris, Scott City; A. L. Hinkson, Brainard; P. O. Whitewater; Anton N. Sanders, Victoria; Max Sanders, Victoria; G. A. Fleming, Hillsboro; H. C. Rice, McPherson; Emil Rockman, Halstead; J. J. Kaufman, Mound Ridge; R. C. Small, Annes; O. E. Rice, Athol; W. G. Hinrichs, Athol; H. W. Clayton, Dunlap; John Sadowsky, Newton; R. H. Christensen, Junction City; M. E. Pierce, Marion; B. N. Ehrlick, Marion; C. S. Barrett, Mulvane; B. A. Parsons, Hardtner; R. J. Schwartz, Goddard; Wm. Donnelly, Little River; T. H. Ewing, Lyons; Bob Clark, Herrington; Victor Kandt, Herrington.

J. W. Smith, Canton, Kans.; Forest Lewis, Sedgwick; L. S. Congdon, Sedgwick; Harold Moore and Melo Melichar of Caldwell; C. E. McGill, Pratt; B. K. Smoot, Salina; I. R. Salley, Liberal.

**Washington, D. C.**—The Bureau of the Census announced April 27 that for the quarter ending March 31, 26 mills in the United States reported a crush of 228,904 tons of flaxseed and a production of 156,877,263 pounds of linseed oil. These figures compare with 198,642 tons of seed crushed and 132,136,919 pounds of oil produced for the corresponding quarter in 1936. The same report gives stocks of flaxseed on hand on March 31, 1937, as 84,053 tons, compared with 68,149 tons for the same date in 1936 and 58,629 tons in 1935.

## Hybrid Corn Makes Best Yields

In the Illinois Corn Performance Tests of 1936, reported in bulletin 429 of the University of Illinois under that head, the best hybrids again demonstrated their superiority over the best open-pollinated varieties in all sections of the state.

The yield of the five best hybrids in the northern, north-central, central, and south-central sections of the state exceeded open-pollinated varieties by 15.7 bus. of sound corn per acre, or by over 46%.

From the 1936 tests, as from the 1935 tests, the conclusion was made that the better hybrids are favored by a good soil to a greater extent than are open-pollinated varieties, however hybrid corn takes longer to mature.

## A New Low Priced Oat Huller Announced

Hulled oats are considered among the finest of home grown feeds, rating high in protein (approximately 16%), high in fat (over 6%), high in carbohydrates (about 65%), and high in digestibility (nearly 94%). Feeding authorities recommend oat groats enthusiastically especially for young pigs, calves, and growing chicks.

In the field of oat hullers, which grain dealers can use effectively in hulling oats for farmer patrons, the General Industries Corp. has recently announced its "new Money Maker a thoroly tested machine." More than 100 of these machines have been placed in service during the last two years.

The capacity of the Money Maker Oat Huller is 40-60 bushels per hour, depending on the quality of the oats used. Only 4 to 5 horsepower is necessary to operate this machine 2,000 R. P. M.

It is substantially made. The bottom, set on wooden runners, is solid cast iron. The working parts are equipped with long life ball bearings set in a heavy 1¼ inch shaft, with double bolted rotor with angle steel blades. The pipes are of 26 gauge sheet metal and are of standard size for replacement and addition, while the separator and hopper are made from 24 gauge sheet metal.

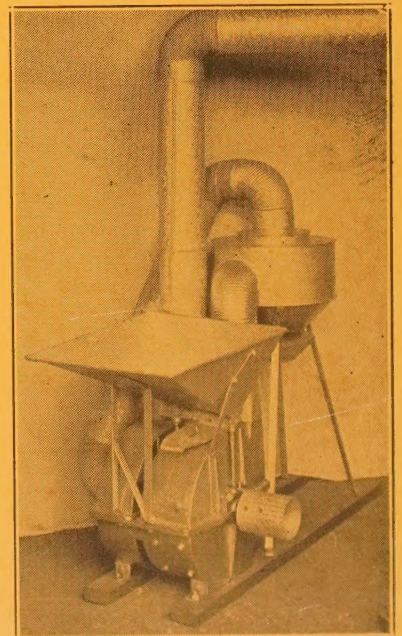
The oat huller is perfectly balanced, therefore runs at full capacity without vibration. The pulley is the Rosenthal type, assuring no slipping of the belt. In addition to the sturdy construction, the Money Maker is compact and needs but little room in which to operate.

## A Screened Cob Burner

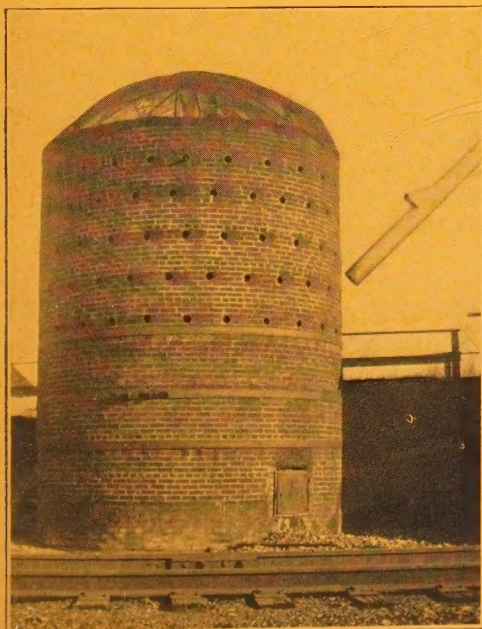
The McClure Elevator at McClure, Ohio, which is operated under the management of C. C. Schafer, has an unusual cob burner which is protected with a heavy wire screen over the top so as to prevent sparks setting fire to adjacent buildings. The spout feeding cobs to burner is fixed at an angle of forty-five degrees, so that even wet cobs will not stick in the spout. It would be next to impossible for fire to spread from cob burner up cob spout to cupola of elevator as end of spout is several feet from burner.

The cob burner was erected eleven years ago, and while it has been necessary to reline the burner twice, it is still in good condition and giving satisfactory service. This circular burner is 16 ft. in diameter, outside dimension, and 20 ft. high; its eight inch wall being formed of common brick, and lined with fire brick half way up. The holes in the walls of burner are formed with four inch tile about twenty inches apart.

When photograph which is reproduced herewith was taken, wet cobs had been burning and formed soot on the wire screen top. The soot had fallen from some portions of the screen so it appears to be somewhat spotted. It is necessary to renew the screen about every third year.



"Money-Maker" Oat Huller



Screened Cob Burner of McClure, O., Elevator.



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*Additional Working Capital  
available at low rates, through  
LAWRENCE SYSTEM*

**H**UNDREDS OF organizations, large and small, have proved the value of LAWRENCE SYSTEM in obtaining low-cost working capital. But LAWRENCE SYSTEM is of *special* benefit to the Grain and Feed trade.

It provides for either seasonal or continuous credit, enabling elevator and mill operators to expand buying commitments and to carry maximum reserve stocks. Further, it is a practical means of financing distribution. Spot stocks may be placed at the disposal of dealers without burdening their capital or credit arrangements.

The cost of LAWRENCE SYSTEM financing is exceedingly slight. Its potentialities for added profits are tremendous. For full infor-

LAWRENCE SYSTEM does not entail use of finance company or other high-cost money. Among other advantages, it provides:

INCREASED CREDIT

*you can exceed open credit 1 to 3 times.*

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*loans made at lowest available bank rates.*

FLEXIBLE OPERATION

*no interruption of normal business routines.*

mation about this method of financing, write or wire Department R-2 of any LAWRENCE SYSTEM office. Confidential consideration will be given to any specific financing problem. No obligation is involved.



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A. T. GIBSON, *President*

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